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1926
RUSSELL-HECKLE SEED CO.



RUSSELL-HECKLE'S
TOP NOTCH RED CLOVER



RUSSELL-HECKLE'S
DELFO'S 6102
COTTON



RUSSELL-HECKLE'S TOP NOTCH SWEET CLOVER (MELILOTUS ALBA)

TOP NOTCH SEEDS

RUSSELL-HECKLE SEED CO.

MEMPHIS - TENN.

SALES STORE AND OFFICE 26 SO. FRONT ST. WHOLESALE WAREHOUSE 589-591 SO. FRONT ST.

GALLOWAY LITHO. CO. S.F.



Our Delfos--6102--21-4 Bales Per Acre on Six Acres

The field of cotton pictured above was produced in 1924 on the Highland Plantation, Lake Providence, La., owned by Mr. John Phillips, Sr., President Goodlett & Co., Cotton Factors, Memphis.

We sold Mr. Phillips sixty bushels of our Delfos-6102 cottonseed in 1924; he planted sixty acres, and on this sixty acres produced eighty-one bales of cotton. On his best field, the six acres pictured above, he picked and ginned two and one-fourth full-sized bales per measured acre. That year Mr. Phillips

planted 650 acres and produced 606 bales; a good part of this was short cotton, however.

Naturally Mr. Phillips felt kindly toward our seed after getting such results, and he planted considerably more of our Delfos-6102 this last year, 1925. He cut his acreage a little, yet his crop is estimated, when this article was written, at 700 bales.

We could name dozens of others who have made larger crops from our seed had we the space.

It pays to plant Russell-Heckle's pure bred cottonseed.

Our Bargain Collections of Fruit Trees Are Shown On Inside Cover

[illegible]

If You Get More Than One Catalog, Please Give It To Some Friend

If you will write below the names and addresses of your neighbors who buy seeds, we shall consider it a special favor and will be pleased to send you free two packets of either vegetable or flower seeds, state which you want.

[illegible]

Extra Order Blanks and Return Envelopes Sent FREE On Request

The years may come and the years may go but this firm goes on forever.

Friendships that we formed years ago are still in existence—today we are selling the sons and grandsons of customers who bought from Mr. Heckle forty-five years ago when he started in the seed business as a young man. And we will be selling the great-grandsons of these same original customers in the years to come. Why can we say this so surely? Because the name Russell-Heckle Seed Company has become the synonym for technical knowledge of the seed industry, for helpful service to farmers in their agricultural problems.

If you are already one of our customers, you are aware of the keen interest we have in giving you the best the market affords in the seeds you buy, and the benefit of the knowledge and experience of our entire organization in helpful service—just six of our men have devoted a total of 127 years to the seed business.

If you have never placed an order with us yet, we invite you to give us a trial order now—to become acquainted with the excellence of our TOP NOTCH seeds, and the ever-willing and helpful "Russell-Heckle" service.

Prices

The prices we quote on vegetable and flower seeds will hold good as long as stocks last. The prices on all farm seeds, grass, grain, etc., are those ruling January 1st, 1926, and are subject to market change; as far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

Cash With Order

Please send money to cover the whole order, using Money Order, Bank Draft, Express Order, or Registered Letter.

Postage

We pay postage wherever the words "Parcel Post Paid" appear. Otherwise, prices are F. O. B. Memphis, buyer to pay freight, express or postage charges.

Non-Warranty

Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

In Explanation.

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow planting, etc., all causes beyond our control; therefore it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

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These plants are sown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to a reddish brown. They can be shipped to distant points without danger of spoiling and should be planted in the open ground from four to five weeks earlier than frame plants.

These FROST-PROOF CABBAGE PLANTS will stand a temperature of twenty degrees above zero without injury. The land freezing, or the plants being covered with ice, sleet or snow after they are planted will not injure them.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results.

To get the advantage of these frost-proof cabbage plants they must be planted a month or six weeks earlier than you would plant the home-grown.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Orders for all plants will be taken subject to crop failures.

We usually have plants ready to ship promptly, but occasionally, on account of heavy orders, we may be compelled to hold your order a few days, but rest assured, however, we will get them to you as quick as possible.

Set them in the open ground about February 5th.

Orders filled from January 15th until May 1st.

Varieties: Jersey Wakefield, Charleston Wakefield, Succession and Early Flat Dutch

Prices: Parcel post paid, 100, 50c; 500, \$1.50; 1,000, \$2.50.

Not prepaid, by express, from Memphis, 500, \$1.25; 1,000, \$2.00.

Prices F. O. B. growing station, express collect: 1,000, \$1.50; 5,000, \$6.25; 10,000, \$10.00.



Hot Bed Cabbage Plants—These are ready about the first of March; they should not be set out earlier; being tender, they are not as hardy as the frost-proof kind. We can furnish the following varieties: Jersey Wakefield, Early Flat Dutch, Charleston Wakefield, Succession. Prices: Parcel post paid, 100, 50c; 500, \$1.50; 1,000, \$2.75; by express, not prepaid, 100, 35c; 500, \$1.25; 1,000, \$2.25.

Beet Plants—Ready about March 1st. Prices: Parcel post paid, 100, 50c; 500, \$2.00; 1,000, \$3.50; by express, not prepaid, 100, 40c; 500, \$1.75; 1,000, \$3.00.

Cauliflower Plants—Ready about March 1st. Prices: Parcel post paid, doz., 20c; 50, 75c; 100, \$1.25; by express, not prepaid, doz., 15c; 50, 60c; 100, \$1.00.

Celery Plants—Ready April 1st. Prices: Parcel post paid, doz., 20c; 50, 40c; 100, 60c; by express, not prepaid, doz., 15c; 50, 30c; 100, 50c.

Egg Plants—These are ready about April 20th. Prices: Parcel post paid, doz., 25c; 50, 75c; 100, \$1.25; by express, not prepaid, doz., 20c; 50, 60c; 100, \$1.00.

Bermuda Onion Plants—Set them out any time in February or March and they will make fine onions which are exceedingly mild and of good flavor. Grow a few Bermuda Onions in your garden and you will be highly pleased.

Prices: Yellow or Straw-colored Bermuda Onion Plants. Parcel post paid, 100, 35c; 1,000, \$2.25; crate 6,000, \$9.50. Not prepaid, 100, 25c; 1,000, \$2.00; per crate, 6,000 plants, \$8.50.

Prices: Crystal White Wax Bermuda Onion Plants. Parcel post paid, 100, 40c; 1,000, \$2.50; per crate, 6,000 plants, \$10.50. Not prepaid, 100, 30c; 1,000, \$2.25; per crate, 6,000 plants, \$9.50.

Lettuce Plants—Ready March 1st. Prices: Parcel post paid, 50, 25c; 100, 50c; 500, \$2.00; by express, not prepaid, 50, 20c; 100, 40c; 500, \$1.75; 1,000, \$3.00.

Pepper Plants—Ready April 15th. Varieties: Chinese Giant and Long Cayenne. Prices: Parcel post paid, doz., 25c; 50, 75c; 100, \$1.25; by express, not prepaid, doz., 20c; 50, 60c; 100, \$1.00.

Tomato Plants—These are ready about the 20th of March. Our stock is raised from the very best quality of seed and will give perfect satisfaction.

Varieties—Gulf State Market, Ponderosa, Norton Wilt Resistant, Early Detroit, Globe, Stone.

Prices: Hot Bed or Seedling Stock. Parcel post paid, doz., 20c; 50, 50c; 100, 70c; 500, \$2.75. Not prepaid, doz., 15c; 50, 35c; 100, 50c; 500, \$2.25.

Prices: Transplanted Stock. Parcel post paid, doz., 30c; 50, 75c; 100, \$1.25; 500, \$5.35. Not prepaid doz., 25c; 50, 60c; 100, \$1.00; 500, \$5.00; 1,000, \$8.50.

CERTIFIED SWEET POTATO SLIPS

The various State Plant Boards are becoming more strict every year and many are refusing admission to the state of all Sweet Potato slips not bearing a Plant Board certificate of freedom from all plant diseases. This is a protection to you. Buy only certified stocks—we have them, both potatoes and plants that have been certified.

Price Certified Plants shipped into Mississippi or to any other place.

Nancy Hall and Porto Ricas—Shipped from growing station. Parcel post paid, 500, \$2.25; 1,000, \$4.25. Not prepaid, 1,000, \$3.75; 5,000, \$17.50.

Russell-Heckle Co's TOP NOTCH GARDEN SEEDS

ASPARAGUS ROOTS

For making permanent beds, have rows 12 inches apart and set one good root every 9 inches. Set plants 6 inches below the surface. A bed 4x12 feet will need 50 plants.

Washington Pedigree Asparagus Roots—A new variety, grows to very large size with snow white stalks, besides being Wilt Resistant. Price, 2 year old roots, dozen, 50c; 50, \$1.50; 100, \$2.50, parcel post paid. Not prepaid, dozen, 40c; 50, \$1.25; 100, \$2.00.

Palmetto Asparagus Roots—A standard well known variety, grows to large size, good for market. Price, 2 year old roots, dozen, 35c; 50, \$1.00; 100, \$1.75; parcel post paid. Not prepaid, dozen, 30c; 50, 85c; 100, \$1.50.

ARTICHOKES

One Ounce Will Produce 500 Plants

Sow in drills in March, 8 or 10 inches apart, when the plants are well up, transplant in rows 4 feet apart and 2 feet apart in rows.

Green Globe French—Packet, 10c; ounce, 50c; parcel post paid.

ASPARAGUS SEED

Sow out doors in February and March in 18 in. rows, dropping two seeds every six inches, cover seeds one inch. One ounce will sow 50 ft. of row and produce two hundred plants.

Washington Pedigree Asparagus Seed, packet, 10c; ounce, 30c; ¼ lb., \$1.00; 1 lb., \$3.00, parcel post paid.

Palmetto Asparagus Seeds, packet, 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, parcel post paid.

BROCOLI

Purple Cape—This is the most desirable variety. Pkt., 10c; oz., 75c; 2 oz., \$1.25; ¼ lb., \$2.50; parcel post paid.

BUSSELS SPROUTS

CULTURE—Should be sown during Spring and Fall. Matures in 90 to 120 days.

Prices: Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 75c; parcel post paid.

BEANS—GREEN, POD, BUSH

CULTURE—These can be planted any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

Black Valentine—The pods are dark green, long, straight. It is also one of the earliest varieties. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Bountiful—Green pods are long, broad, thick, flat, meaty, meltingly tender. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Burpee's Stringless Green

Pod—Pods semi-round, perfectly stringless, tender and brittle. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Full Measure—This magnificent round-podded bush bean bears long, round green pods, stringless. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

See Green Ink Price Sheet

for quotations on Green Pod bush beans by the peck and bushel.



Giant Stringless Green

Pod—Fine for home use or market. The pods are round, meaty, perfectly stringless. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

Improved Red Valentine—

The pods are round, about 4 inches long, fleshy, crisp and tender. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Longfellow—The pods that average 6 inches or more in length, are almost entirely stringless.

Prices: ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Tennessee Green Pod—

Yields the longest and largest pods of any Bush Beans, flat in shape but of fine flavor. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

BEANS—BUSH, WAX POD

CULTURE—These can be planted with safety any time from April 10th to September 1st. Sow 3 inches apart in rows and have the rows 2½ or 3 feet apart, cover seeds two inches.

Currie's Rust Proof Wax—Pods light yellow, similar in shape to Golden Wax, 5½ to 6 inches long. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Improved Golden Wax—Vines vigorous and hardy; pods broad, flat and of a golden yellow color. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Prolific Black Wax—A popular variety; waxy yellow; tender, productive. ½ pt., 25c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Round Pod Kidney Wax—The best round podded variety. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

Refugee Wax—Pods long, round and yellow; are thick meaty, perfectly stringless. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

Sure Crop Wax—A recent introduction similar to Currie's Rust Proof. Pods are longer, thicker through and entirely stringless. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

See Green Ink Price Sheet for quotation on Wax Bush Beans by the peck and bushel.

BEANS—POLE OR RUNNING



CULTURE—Plant in May and June in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Burger's Stringless Green Pod—

The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 25c; pt., 30c; qt., 60c.

Kentucky Wonder or Old Homestead—

It is almost needless to say anything about this great Pole Bean, for who has not grown it? The yield is great, the quality is good, and no bean is more sure of making a crop. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Scotia or Striped Cornfield—

This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn this is your one choice. It will produce the kind of results that you'll expect. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.



Scotia or Striped Cornfield Bean

McCaslan Pole Bean—

A comparatively new green-podded variety. The pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color, containing ten fine beans. Makes an excellent snap bean and the white-shelled beans are unsurpassed for winter use. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Red Speckled Cut Short

This variety is the best bean to plant in corn hills. It is hardy, late and is a heavy yielder. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

White Creaseback—

Especially valuable on account of its earliness. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Prices by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

BEANS—POLE, LIMA or BUTTER



Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May.

Carolina or Sieva—This very early and reliable small seeded Pole Lima is especially adapted for planting in the South. The vines are vigorous, with many short branches. The leaves are small, smooth, stiff, glossy dark green. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow. This is sometimes called Sewee. It is the most generally known Butter Bean of the South. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

King of the Garden Lima—The vines are very vigorous and prolific. Pods are of large size, filled with four or five large Beans of very fine quality. The Beans are easily shelled and of handsome appearance. A favorite with market gardeners. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Speckled Calico or Florida Butter—The best variety for bearing early in the season. It blooms and bears profusely all through the season. It will make an abundant crop when others fail. It bears pods from the very first bloom that appears on the plants, something that is not true of any other pole lima bean. Seeds of the Carolina or Sieva Lima size but are speckled white and brownish red. $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 60c.

Large White Lima—Vine tall, growing vigorous but slender; leaves medium sized, smooth, light green; pods borne in clusters; are broad, very thin, dark green; seed large, flat, greenish-white. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Russell-Heckle Seed Co.,
Memphis, Tenn.
Gentlemen:

Please ship me C. O. D. at once five hundred pounds of your Miller's A1 Dog Ration. I am using it every day myself and some of my friends that own dogs wanted me to order them some of this feed as they want to see what it will do for their dogs. It certainly does help a dog a whole lot, and all of mine are just as slick and fat as they can be. Every time I carry them hunting they seem to have so much energy that they do not want to come home when the time comes to start for home.

Hoping that you will ship this right away, I am,

Yours very truly,

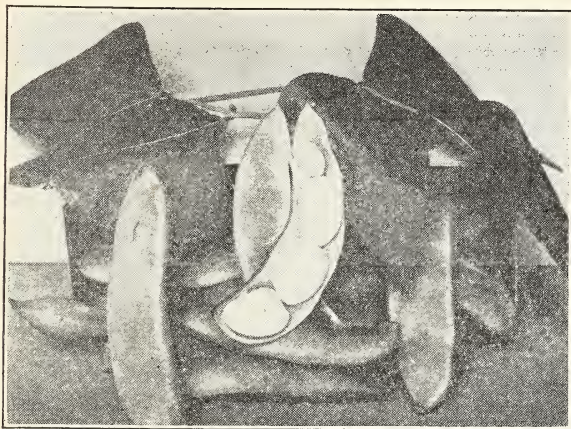
Wilson, N. C.

J. B. MUNFORD.

BEANS—BUSH LIMA

One Quart Will Plant 200 Feet of Drill

CULTURE—Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.



Henderson's Bush Lima Beans

Henderson's Bush Lima—Compact bushes one foot high. Valuable on account of its earliness and productivity. Pods short, flat, with three small beans of delicious quality. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c.

Burpee's Improved Bush Lima—Plants make perfect bushes from 18 inches to 2 feet high. They are sure croppers and immense yielders. Pods as large as those of the Pole Lima, and contain beans of the best quality. $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 60c.

Fordhook Bush Lima—An immense yielder, with handsome large pods. $\frac{1}{2}$ pt., 30c; pt., 55c; qt., \$1.00; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 25c; pt., 45c; qt., 85c.

New Never Fail Bush Lima Beans—Immensely productive. This is the most productive and very earliest of the Bush Limas. It is of true bush form, about 2 feet high, bearing in greatest profusion, broad, flat pods, each having from three to five medium-sized, handsomely speckled beans, which cook quickly and are of superior quality. Good for Summer use, and as Winter Shell Bean. A splendid bean for the home garden. $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 60c.

Woods Prolific Bush Lima—Same as Henderson Bush, but pods and beans slightly larger. Very prolific. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 45c.

BEETS—Mangels and Sugar

For Stock Feeding.

CULTURE—Sow 6 pounds to the acre in March or April, in rows three feet apart, and thin to nine inches in the row. Cultivate frequently with horse tools.

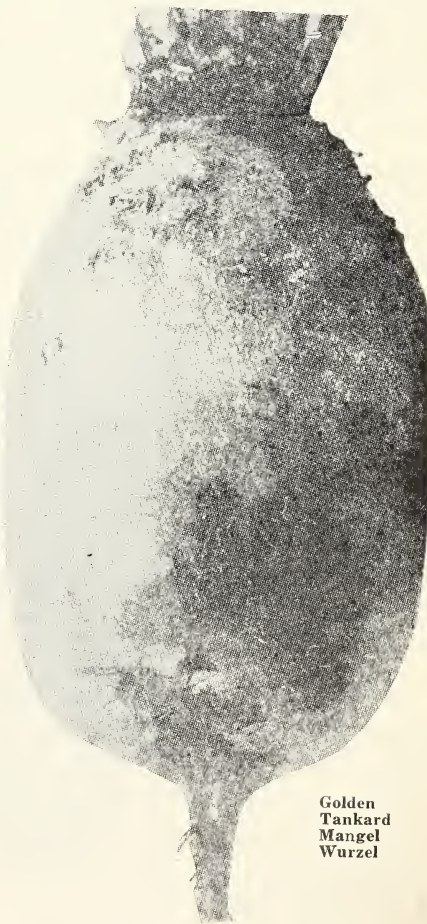
Farmers and stock raisers of the United States do not appreciate so fully the value of mangels for feeding cattle, hogs, sheep, etc., as do the farmers of Europe. In France, Great Britain and other European countries, it is the exception rather than the rule where Mangels are not grown on a large scale on every farm. The immense yield which may be secured from an acre, with very little expense either for material or labor, makes the Mangel crop one of the most profitable on the farm. 15 to 20 tons of roots an acre is not an unusual yield; some specimens weigh 20 to 30 lbs. each. Where properly cultivated, seeded and harvested the cost of growing a bushel of our Improved Mammoth Long Red Mangels should not exceed 10c. When fed in combination with grain they are worth almost as much, pound for pound, as the grain. This statement may seem absurd, but experience has proved that Mangels so aid digestion and assimilation, by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed, beside the nutrients the roots contain.

Golden Tankard Mangel Beet—Small top, smooth, rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; parcel post paid.

Long Red Mangel Beet—The well-known, large, long variety; grows well out of ground. Color light red. Very productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; parcel post paid.

Giant Feeding Sugar Beet—A large growing sort, and used for feeding stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; parcel post paid.

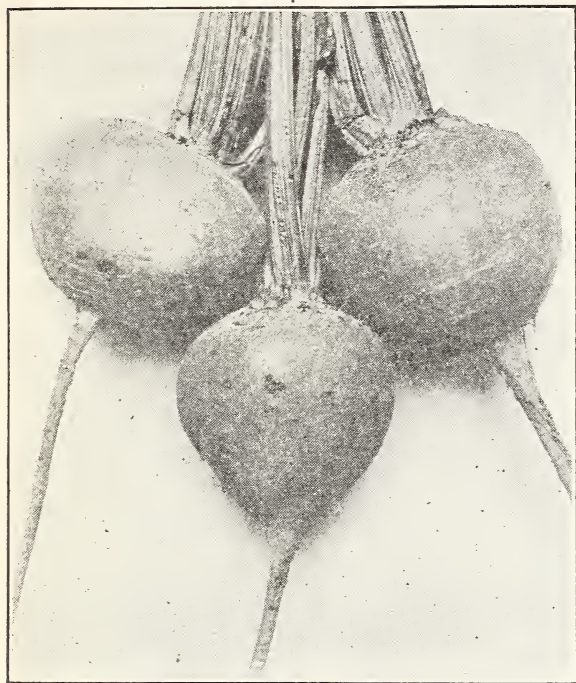
Klein Wanzleben Sugar Beet—Extensively grown for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent sugar. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; parcel post paid.



Golden
Tankard
Mangel
Wurzel

BEETS, TABLE

CULTURE—For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

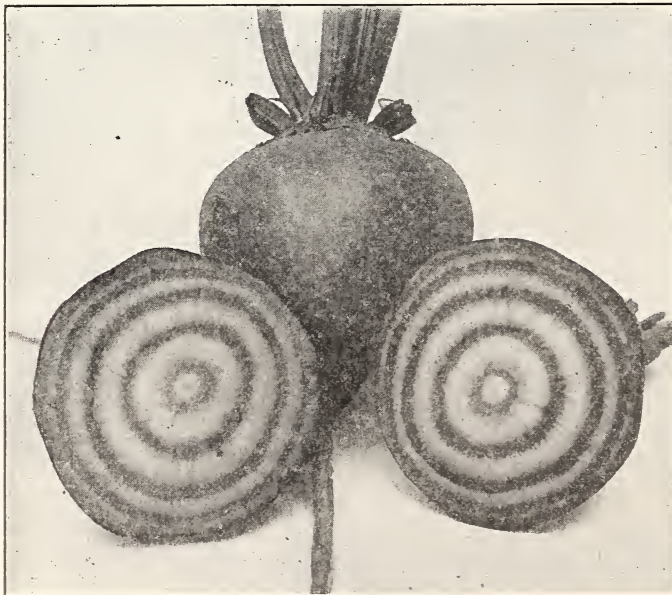


R.-H. Co.'s Early Wonder Beets

R.-H. Co.'s Early Wonder Beet—The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'s Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c; parcel post paid.

R.-H. Co.'s Ideal Blood Turnip—

Earliest of all; the best extra early red turnip beet, not only for market gardeners, but for canning, and especially for the home garden, making a strikingly handsome product, much superior to that obtained from any other variety equally as early. Its small top, early maturing and the splendid shape and color of the root make it popular with everyone who plants it. Top small, upright growing, so that the rows may be close together. Leaves are rich bronze-purple borne on slender stems, growing quite compactly. Root globular or ovoid and very smooth. Color of skin dark blood red; flesh deep vermillion red zoned with a darker shade. Very crisp, tender and sweet and remaining so for a long time. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.25; parcel post paid.



Crosby's Improved Egyptian—We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. It is not as flat as Extra Early Egyptian nor as round as Eclipse. The color is bright red with bright vermillion-red flesh, very sweet and tender. It has the advantage of being fit for use earlier than most beets, as it takes on its turnip shape at a very early stage of its growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Detroit Dark Blood—Here is a beet you will like, whether you grow for home use or market. Almost globe shaped with small tops and tap root, very smooth and of dark blood-red color without light rings. A good beet for both early and late planting. The quality is fine; for canning it has no superior. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Early Blood Turnip—It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark red color and fine flavor. Matures in about 45 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Eclipse—An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red zoned with pinkish white, very sweet, crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Orders for Trees

Will be filled as soon as weather permits. It usually requires eight to ten days to get the stock from our nursery. Remember, we will give your order attention at the earliest possible moment.

Fireball—Splendid cropper, good keeper and a splendid, very handsome extra early beet. Skin smooth and firm, almost globe shaped, of quite large size. The flesh is a deep purplish crimson, slightly "zoned"; this is a finely bred beet, of exquisite quality, sweet and tender. The foliage is small, of a rich bronze-purple. In the home garden it is a most excellent sort; for market use a main crop variety, it is a favorite everywhere. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; parcel post paid.

Half Long Blood—

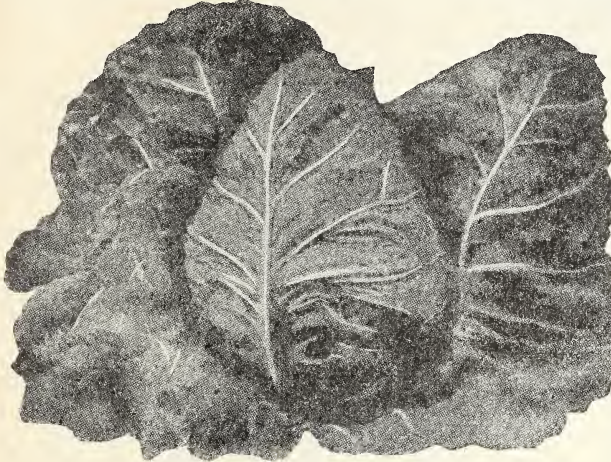
A distinct variety used principally as a winter beet to sell by the bushel. The root is twice as long as thick, flesh rich dark red and of excellent quality, which it retains throughout the winter, never becoming woody. Seed should be sown July 1st to 15th for a winter crop, as it a rather slow grower. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c; parcel post paid.

Long Dark Blood—

A standard late variety, keeping well through the winter. The root is long and skin smooth. Flesh very dark red, sweet and tender. The roots are thick shouldered, grow largely under ground, are, when mature, about 2 inches in diameter and 10 inches long. They are ready for the table in about 60 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

CABBAGE

CULTURE—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hot bed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants, an ounce 3,000 plants; ¼ pound for an acre. Set plants 1½ by 3 feet apart.



Charleston Large Wakefield

Charleston or Large-type Wakefield—advantage of The one big Charleston is the greater size, where large-sized cabbages are wanted either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular. Heads are solid, pointed and is a heavy yielder. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

All-Head Early—Early, large, flat, solid-headed. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Danish Winter Ball Head—A medium-sized, very solid heading sort, which will remain in good condition longer than most varieties. Plant compact and very hardy. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Early Spring—Probably the earliest of flat-headed varieties. A profitable cabbage to grow, as it heads early, has a short stem forming a round somewhat flat head quickly. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Early Drum Head—One of the best second early varieties; large, deep heads; solid. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Late Flat Dutch—Sure header, producing large, solid heads, flat on top, of low growing habit. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Succession—Matures in about 110 days. Heads round, slightly flattened. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00; parcel post paid.

All Seasons—One of the largest and a thoroughly satisfactory second earlies. This is a first class sort both for early and late planting. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Copenhagen Market—One of the earliest round head or flat cabbages. On account of extreme earliness, being almost as quick maturing as Charleston Wakefield, it is destined to become one of the leading sorts. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

R.-H. Co.'s Early Eureka—This valuable variety is as early as Large Wakefield, produces fine solid, flat heads in 75 to 80 days from sowing the seed. Pkt., 10c; oz., 75c; 2 oz., \$1.25; ¼ lb., \$2.50; 1 lb., \$7.00; parcel post paid.

Early Dwarf Flat Dutch—It is a large cropper and a dependable header. A short stemmed variety. Belongs to the second earlies. Matures in about 110 days. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Early Jersey Wakefield—In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Early Winnigstadt—A popular sort for the garden, as it remains in good condition for a long time. Heads pointed, medium size, hard and of a dark green color. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Large Late Drumhead—Rounder than Flat Dutch, good, large heads. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

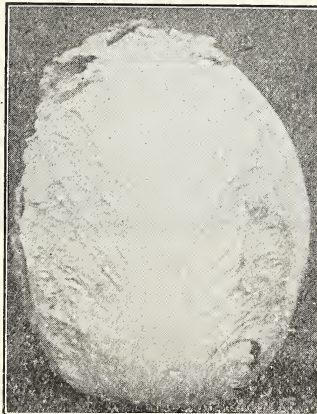
Early Summer—Solid round head; comes in just after Wakefield. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Large Drumhead Savoy—The best and largest heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Mammoth Red Rock—By far the best, largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity and deep red color. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Chinese or Celery Cabbage—PE-TSAI—Has a mild cabbage flavor, very delicate and very fine salad.

The culture is the same as for Cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart. Pkt., 5c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.50; parcel post paid.



Chinese Cabbage

Russell-Heckle Seed Co.,
Memphis, Tenn.

The writer in 1922 produced from planting 41 pounds of Ootootans, 81 bushels and 167 bales of straw hay, and from the same plot of land planted to Laredos, planting 49½ pounds, produced 141 bushels of Laredos and 248 bales of straw hay. Laredos planted July 11th, 1923, were cut well matured Oct. 2nd, about three weeks earlier than the Ootootans planted in the same field and 5 or 6 weeks before the Laredos were. Laredos were full of blooms 47 days after planting date.

Yours truly,

RIDGEWAY & SONS.

CARROTS

CULTURE—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.

Early Scarlet Horn—Very early, rather blunt rooted; color, orange-red. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Monroe Carter, Amory, Miss. Route No. 1 writes Russell-Heckle Seed Co.: Please send me your new seed book as I want to order early. I have planted your seed before and like them fine.



Danver's Half Long Carrot

Danver's Half Long—Rich, light orange colored, good quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Half-Long Scarlet—One of the best for home or market. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Oxheart—A short, chunky, early variety, as thick through as it is long. Especially adapted for hard, stiff soil where longer varieties would not thrive. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Improved Long Orange—Long tapering; deep orange. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

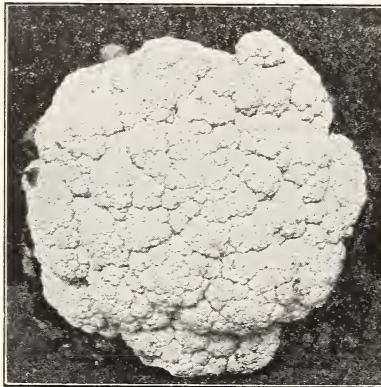
Miss Nina Jones Hernando, Miss. R. No. 2, Box 11 writes: We are highly pleased with the seed we bought from you last spring. Send me a free catalogue at your earliest convenience.

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants. We handle only the very best quality seed that will make a head.

Dry Weather—Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt., 10c; oz., \$1.25; ¼ lb., \$3.50; parcel post paid.

Early Snowball—A sure header; large, solid, perfectly white and good quality. Pkt., 10c; oz., \$1.25; ¼ lb., \$3.50; parcel post paid.



Early Snowball Cauliflower

CHERVIL

Used for flavoring or garnishing. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Pkt., 10c; oz., 35c.

CHICORY

Sow in April and transplant in May in trenches one foot deep. Valuable as a salad as well as a vegetable. Pkt., 10c; oz., 30c; ¼ lb., 75c; parcel post paid.

CHIVES

Their green tops, which appear in early spring, are used wherever the flavor of onions is desired. They are entirely hardy. Pkt., 10c; oz., 50c.

CORN SALAD, OR FETTICUS

One Ounce Will Sow About 18 Square Feet

Sow in September or October. Large, round-leaved. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

CELERY

CULTURE—Sow in beds in February or March and keep well watered. Transplant to moist, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Giant Pascal—Bleaches very quickly after earthing up and is a beautiful yellowish white color; very solid and crisp, and of a sweet flavor. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Golden Self-Blanching—Early, large, crisp, solid, good flavor. Pkt., 5c; oz., 40c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

Henderson's White Plume—One of the best for early use; good quality; blanches easily. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

COLLARDS

CULTURE—This is a variety of cabbage largely grown in the South. Sow seeds in May, August to September.

Georgia White Cabbage—Called Cabbage Collard on account of its close, bunching growth. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

North Carolina Buncombe—Large spreading leaves; very hardy; good flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; parcel post paid.

Southern, or Georgia—The old-fashioned kind, known for a hundred years or more. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

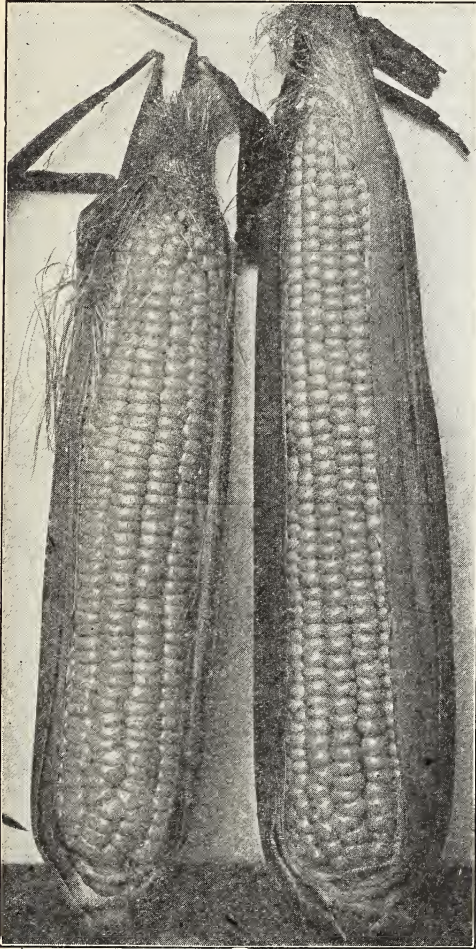
CRESS, OR PEPPER GRASS

One Ounce Will Sow About 15 Square Feet

Curled, or Pepper Grass—Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

GARDEN AND SWEET CORN

CULTURE—For early market, plant the garden varieties latter part of March. Sugar Corns should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. The garden varieties listed below are as follows: Early Surprise, Early Adams, Extra Early Adams, Elam's Early Market, Truckers Favorite, and Improved Adams. Plant these first.



Elam's Early Market

Elam's Early Market—This corn is positively one of the earliest of the very large eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. No matter what other varieties you try, be sure and plant this variety. Don't forget two crops can be matured in a season with Elam's Early Market. July planting will make an excellent, large ear. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.

Golden Bantam—Extra early, sweet, tender and delicious. Is becoming each year, more popular because of its extreme early character, vigorous growth and delicious flavor; the stalks are dwarf in habit, growing to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk. $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

Golden Giant Sweet Corn—As good as Golden Bantam to eat and very much larger. That sentence will describe Golden Giant to you in the best way. You know how tenderly delicious and sweet Golden Bantam is. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c.

Borden's Wonder Bantam Sweet Corn—A selection from Golden Bantam, being larger and superior in every way. It's as good as Golden Bantam to eat and really looks like you have an ear of corn before you when eating Borden's Wonder Bantam. We are sure you will be delighted with this new corn. $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c; parcel post paid. Not prepaid $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c.

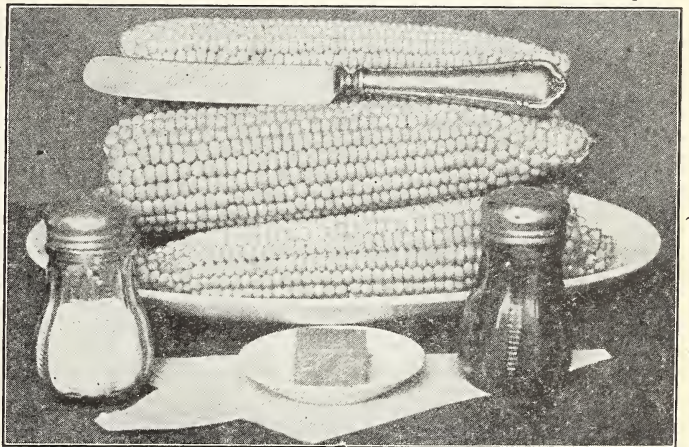
Extra Early Adams—Earliest white corn; small ear and stalk. It is not a Sugar Corn, but is grown for early use. Ears short; kernels very white. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.

Early Large Adams—About a week later than Extra Early, but has larger ears; small stalks; earlier and harder than Sugar Corn. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.

Improved Adams—A fine variety, slightly larger than Early Adams and one week later. Sells well on account of the size of the ear. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.

R.-H. Co.'s Early Surprise—A splendid corn, coming in directly after Adams' Early, but much larger. Has a white, soft grain. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.

Trucker's Favorite—For a second early corn to follow Adams Early, or for late-planting to mature early, this is a good sort. It is a white corn, with good depth of grain, tender and sweet, and makes most desirable size for roasting ears. In addition to being a fine garden corn, it makes an excellent field corn to plant late. $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 10c; pt., 20c; qt., 30c.



R.-H. Co.'s Early Surprise

Black Mexican—Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning to black. It is one of the sweetest varieties in cultivation. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c.

Country Gentleman—Small cob; long, slender, white grains, which are very sweet. $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 55c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 45c.

Howling Mob—One of the finest second early, large eared sorts; very productive, white, and of excellent quality. Ears 9 to 10 inches long. 16-rowed. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c.

Mammoth Sugar—The Mammoth ears are thick through, with many rows of large, broad grains of excellent quality. $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 30c; qt., 50c.

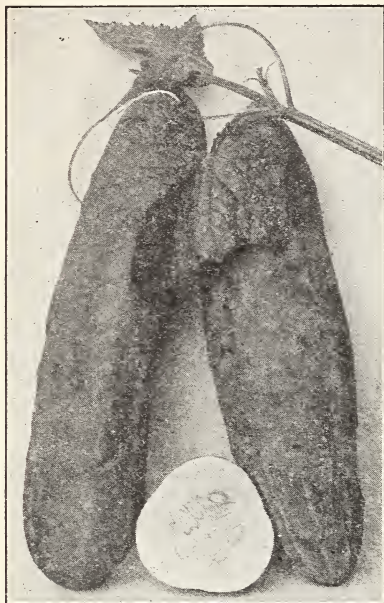
Stowell's Evergreen—The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep, sweet grain. $\frac{1}{2}$ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid, $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c.

PRICES

Account catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

CUCUMBERS

CULTURE—For very early crop plant in hot beds; for later crop plant from April to July, in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.



Davis Perfect

EGG PLANT

CULTURE—Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Black Beauty—This is the earliest and best of all large fruited Egg Plants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish black. Pkt., 5c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.00; parcel post paid.

Florida High Bush—Stands heat well; the fruit is round, smooth and very large; color, bright purple. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

New York Improved Purple—The old standard variety. Pkt., 5c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.00; parcel post paid.

ENDIVE

CULTURE—One Ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Green Curled—The hardest variety; beautifully curled. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Broad Leaved Batavia—(Escarolle) Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.50; parcel post paid.

DANDELION

"Sow and cultivate the same as Endive. Makes early and very healthy spring greens."

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$3.50; parcel post paid.

DILL

"Used for seasoning and also for making Dill pickles."

Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

GARLIC

"Plant in spring or fall in rows, cultivate and harvest same as onions."

¼ lb., 20c; 1 lb., 50c; parcel post paid.

Chicago Pickling

Fine for market gardeners. Medium length, pointed at each end; has large spines, deep green, very prolific. Good for pickling.

Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Davis Perfect

Possesses all the merits of the best slicing varieties; wonderfully uniform in shape and exceedingly productive. Their handsome shape and fine dark green color commands the highest price of the market. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Evergreen White Spine—An extra early, dark green. White Spine strain, producing very uniform fruit in great abundance. The vine is vigorous and produces fruit for a long season. Fruit averages from eight to ten inches long and is of the finest quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

Early Green Cluster—A very popular early cucumber, producing its fruit in small clusters near the root of the plant. Average length is about 5 inches, skin prickly. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.

Early Fortune—One of the best selections of the White Spine type, is becoming very popular among the market men of the South. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

Everbearing—This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

Improved Early White Spine—An improved strain of the White Spine; good for forcing or outdoors. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.

Improved Long Green—A fine bearer of superior quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

Japanese Climbing—This is a strong and vigorous grower, fine for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel Post paid.

Gherkin or Burr—Used only for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

GOURDS

Dipper Gourds, Nest Egg Gourds, Sugar Trough, Dish Rag, or Luffa-Orange Gourds, Hercules Club. Pkt., 5c; oz., 25c; parcel post paid.

KALE

CULTURE—Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

Dwarf Green Curled—Leaves curled. The best variety for Fall sowing. Stands all Winter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

Tall Curled Scotch—A beautiful curled variety; fine for spring planting. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

KOHL-RABI

Early White Vienna—This is the best and earliest variety for table use. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

HERB SEED

Parcel post paid.

	Pkt.	Oz.
BASIL, Sweet—For flavoring soups.....	\$0.10	\$0.50
DILL, Mammoth—Used for flavoring pickle.....	.05	.15
LAVENDER—Used for its odor.....	.10	.80
MARJORAM, Sweet—Used in seasoning meats.....	.10	.40
ROSEMARY—For seasoning meats and soups.....	.10	.70
SAVORY, Summer—Used as a culinary herb.....	.10	.70
SAGE, Broad Leaved—A popular plant.....	.10	.50
THYME—Much used for seasoning.....	.10	.60

HORSE RADISH

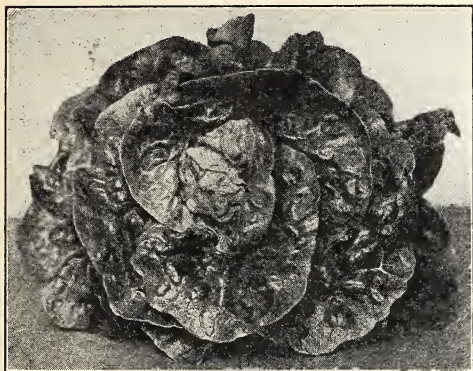
Doz., 40c, \$1.00, \$2.50; parcel post paid. Not prepaid, doz., 30c, \$1.00, \$2.25.

LEEK

London Flag—Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; Parcel post paid.

LETTUCE

CULTURE—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.



Big Boston

Big Boston—Big, Compact, Tender, Cream White Heads. A very popular variety for Market Gardeners. It heads well in the open ground during cool weather in Spring and Fall and is grown very extensively in the South for shipping North during the Winter. It is also a fine forcing variety for cold-frames during the Winter months. Our strain is very hardy, sure to head and produces solid heads of large size, often 10 to 12 inches across, which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges and are of bright light green color, slightly tinged with reddish brown. The inner head blanches to an attractive greenish-white. The quality is excellent. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00; parcel post paid.

Black Seeded Simpson—One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for Summer, as it withstands the heat; also for the home garden. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Cos or Romaine—Forms large, light green, well-folded heads of upright growth and popular for its crispness and mild flavor. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00; parcel post paid.

Chicken Lettuce—Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

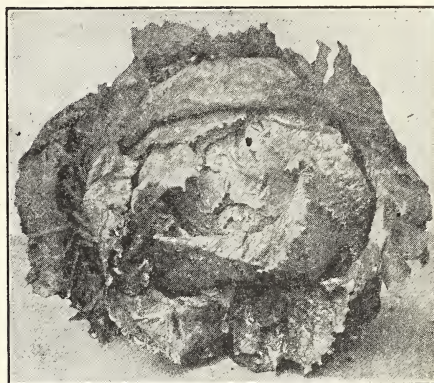
Early Curled Simpson—Makes a curly loose head; crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Improved Hanson—The most reliable header for home garden. On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Fertilizers for Lettuce—To grow the best tender Lettuce it is advisable to have a very rich, friable soil. The quality of this vegetable is largely dependent upon the rapidity with which it is grown, therefore liberal manuring and thorough preparation are profitable. We recommend for this purpose, Redds Fancy Fertilizer or sulphate of ammonia.

All Seasons—One of the best head lettuce; stands the hot, midsummer sun without burning. Heads are very solid, large and of a most desirable light green color. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

California Cream Butter—Also called Royal Summer Cabbage. Dark green, round thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.



New York or Wonderful Lettuce

Wonderful or New York—The Big Money Maker. The Standard Summer Main Crop Hot Weather Head Lettuce. A grand Head Lettuce sometimes called New York and Los Angeles, furnishes fine, crisp lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. It is reliable, a sure header, and is slow to go to seed. Extensively grown in all sections of the country for summer use, but also planted in fall and winter, especially in the Southwest, from which thousands of carloads of it are shipped during the winter to Eastern cities. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Large White Cabbage—Its beautiful form and color attract the attention of expert growers. It forms a compact head; has no core, but a tender, golden heart. As a shipper it is unexcelled, commands the very best prices; demand always exceeds the supply. It resists the cold, withstands the Summer heat, always has a crisp, mild flavor, when open it becomes a table ornament. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

May King—A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Mignonette—Small, solid heading; never fails. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

New Iceberg—Prize Winner, Hard Header, Good Shipper. Quick growing and of exquisite flavor. The large curly leaves which cover the outside of the solid head are of bright, light green, with a slight reddish tinge on the edges. Pkt., 5c; oz., 35c; ¼ lb., 80c; 1 lb., \$2.50; parcel post paid.

Prizehead—Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Wayahead—A very early, firm heading sort, of fine appearance and quality. Outer leaves light green, under leaves are blanched to a buttery yellow tint. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

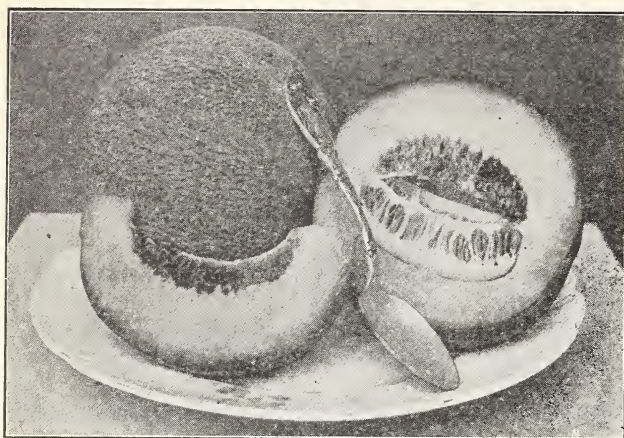
CULTURE FOR HEAD LETTUCE

Assuming that the Lettuce plants have been started as suggested at the top of page 11, they should be transplanted as soon as they begin to crowd. Place them six inches apart in the row in extra rich soil and if the sun has become very hot, it will be best to furnish partial shade. Keep the soil well cultivated around the plants to destroy weeds and preserve a soil mulch. Water frequently during dry weather.

When the heads start to develop work up the soil around them so as to induce close, compact growth. As soon as the outside leaves are large enough they should be brought together and tied over the top with raffia. This should be done more loosely than with Cauliflower and the plants must be closely watched so that they can be used at the right stage of development. Tying the heads in this manner helps to blanch them and make them deliciously tender and crisp.

MUSK MELON OR CANTALOUPE

CULTURE—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills. For borers or worms spray as soon as blossoms appear with Bordo Arsenate and add Blackleaf 40.



Hearts of Gold Cantaloupe.

Hearts of Gold—Extremely Thick, Sweet Orange Flesh. (Orange flesh.) An ideal basket and crate melon of medium size, round, heavily netted, flesh very thick, or rich orange color, handsome appearance, and of the sweetest flavor. Average size of melon 6 to 8 inches in diameter. Matures in 75 days. The seed cavity is small and the rind is very tough, making it a good shipper; its vine is a vigorous grower and a heavy cropper. A very convenient sized melon for the table and for packing in shipment. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Honey Dew Melon—A splendid new variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. The average size is about six inches in diameter and they weigh five to six pounds. The skin is smooth with little netting. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Tip Top—Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and of good flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Rocky Ford—One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, and lusciously sweet. It is netted and ribbed and ripens early. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Acme, or Baltimore—One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Banana—Long, shaped like a banana; has a most delicious flavor. Pkt., 5c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Burpee's Early Netted Gem—About two weeks earlier than other varieties, very prolific and hardy. Has phenomenally thick green flesh with golden yellow lining, small seed pockets, beautifully netted, slightly ribbed, the grandest table and market Cantaloupe ever produced. Color, light green. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Early Green Nutmeg—An early variety of medium to a small size; nutmeg in shape and thickly netted. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

With the coming of the first warm days in the early spring we get impatient to start planting. Instead of rushing our seed into half prepared soil, we should continue to pulverize the soil. Kill the weeds and grass that germinate with the first warm days. We almost invariably have a cold snap that retards the crop. We should get our soil in good condition. Let the soil get warm before planting.

Honey Ball—The Honey Ball is the result of a cross between Cannon Ball and Honey Dew. It is a little larger than Rocky Ford, is as round as a ball, has thick green flesh, and therefore a small seed cavity. It has a hard tough rind which makes it a wonderful shipping melon. Honey Ball is quite early, enormously



A Field of R.-H. Co.'s Rocky Ford

Pink Meat Rocky Ford

This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been successful in the East, in the West, and in the South. It is a prolific yielder and has been pronounced by every one who has used it as the ultimate in salmon-fleshed melons. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Mammoth Rocky Ford—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Russell-Heckle Seed Co., Memphis, Tenn.
Gentlemen:

The plants received this morning, and I think that when one sends out such plants as these they should be told about it; they are the finest I ever saw, however, I have been getting plants from you for several years, and you have always sold me nice healthy plants. I thank you very much for this service.

Yours truly,
HARRY CALLICOTT.

Coldwater, Miss.

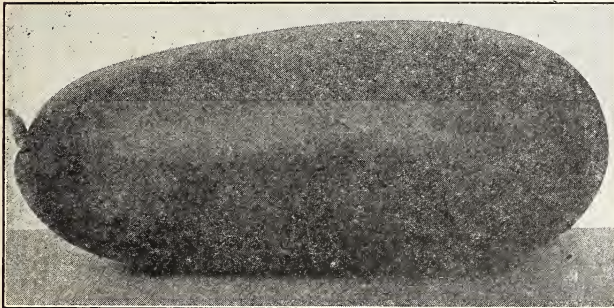
WATERMELONS

CULTURE—One ounce to forty hills; three or four pounds to the acre. Drop in the middle of Spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

Alabama Sweet—The flesh is bright red, fine grained, sweet and luscious. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

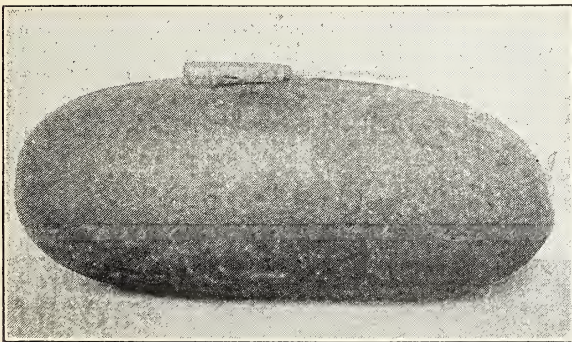
Black Diamond—Immense in size, and grows to average 70 to 90 lbs.; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Bradford—This excellent shipping melon is one of the leading sorts grown by Texas and other Southern Melon Growers' Associations and extensively individual growers. The rind is dark green marked with a still darker green mottled stripe, and while thin it is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. The seeds are white, slightly tipped with brown, and are firmly set in small cavities near the rind. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.



Kleckley's Sweet Watermelon

Kleckley's Sweet—A great melon for home and nearby markets. This splendid Watermelon has certainly become very popular wherever it has been thoroughly tested. It is of superb luscious flavor. Flesh is bright scarlet, with solid heart, deliciously crisp, sugary and splendid in every way. The melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; of handsome appearance; ripen early, and are most desirable for the home-garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.



New Wonder Watermelon

New Wonder—Introduced in the South last year, resembles Kleckley Sweets, but grows to a larger size; the bright red flesh is deliciously sweet and melting. The introducer claims it is the melon of quality, the sweetest of them all. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$3.00; parcel post paid.

Halbert Honey—The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

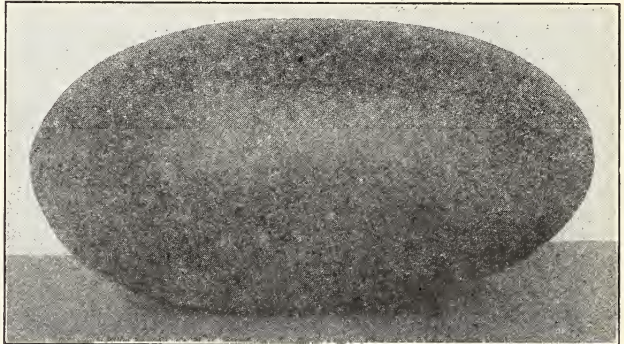
Red Seeded Citron—Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid. Pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Florida Favorite—Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Georgia Rattlesnake—A large striped variety of oblong shape; flesh scarlet and of superior quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Golden Honey—The flesh is bright, golden yellow, as sweet as sugar. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Irish Grey—(New.) This new melon has been offered for a few seasons only, and is already becoming popular. The vine is very vigorous and holds up well, producing fruit until late summer. The rind is greenish grey in color, thin but very tough, hence a good shipper. Flesh is beautiful red and free from stringiness. Shape and size similar to Tom Watson. Well adapted for either market or home use. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.



Tom Watson Watermelon

Tom Watson—Long, green and very prolific. The melons are uniformly large, running from 30 pounds to 40 pounds. The flesh scarlet, of extra fineness and sweetness, entirely stringless, fairly melts in your mouth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; parcel post paid.

Tom Watson Extra—This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimen made as near uniform as possible. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Thurmond Gray Watermelon—A remarkably new delicious melon, a big money maker, and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying. The vines are most vigorous and wilt resistant. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

R.-H. Co.'s Big Boy—In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled green rind with dark red flesh that is very sweet. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Winona Watermelon—A Southern grown Watermelon, long in shape and grows to a very large size; rind black green; black seeds with rich red juicy tender flesh. You will like the Winona Melon. We offer home grown seed. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

MUSTARD

CULTURE—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.



So. Giant Curled Mustard

lowish tinge, much crimped and frilled at the edges. Pungent and of sweet flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.

Elephant Ear—A single plant fills a bushel basket; leaves tender at all times. Your garden won't be complete unless you try some of this new mustard. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c; parcel post paid.

Chinese Mammoth—An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. Not curled as the Southern Giant; leaves are very broad. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Southern Giant Curled—Leaves are large, light green with yellowish tinge. Very succulent.

ONION SEED

CULTURE—Sow in January or February in hotbeds. Transplant to 12-inch rows, 5 inches apart.



Large Red Globe Onion

Prize Taker—Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Large Red Wethersfield—Medium early; skin is purplish red; a general favorite. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$4.00; parcel post paid.

Large Red Globe—Grows to good size; rich red color; a fine keeper. Pkt., 10c; oz., 45c; ¼ lb., \$1.40; 1 lb., \$4.75; parcel post paid.

Southport White Globe—Handsome globe-shaped bulbs; the flesh is firm, of mild flavor; keeps well. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.25; parcel post paid.

White Silver Skin—Pure white; mild flavor; best growing sets. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Yellow Globe Danvers—Globe shaped; large. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Yellow Bermuda—The standard variety. It is light yellow or straw color, flat in shape, growing 3 to 4 inches in diameter, very sweet and mild. (Teneriffe grown.) Pkt., 10c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

OKRA

CULTURE—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.



White Velvet Okra

producing round, smooth, white pods unlike other varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

Dwarf Green—Very early; pods green and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.

Kleckley's Favorite—Close jointed with abundant foliage, very smooth white pods setting out at each leaf joint, averaging 6 to 6½ inches in length, size very uniform; young pods exceptionally tender and fleshy. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Tall or Long Green—Long ribbed pods; very productive. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.

White Velvet—Very productive, producing round, smooth, white pods unlike other varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

ONION SETS

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

CULTURE—Plant 4 to 6 inches apart in 12 to 24-inch rows (except Potato Onions, which should be in 2-foot rows). Plant in Spring or Fall in fine rich soil, well manured.

Red Wethersfield Sets—Postage paid; qt., 25c; gal., 75c. Not prepaid, qt., 15c; gal., 60c; pk., \$1.00.

Yellow Danvers Onion Sets—Postage paid, qt., 25c; gal., 75c. Not prepaid, qt., 15c; gal., 60c; pk., \$1.00.

White or Silver Skin Onion Sets—Postage paid, qt., 30c; gal., 85c. Not prepaid, qt., 20c; gal., 70c; pk., \$1.25.

Japanese or Ebenezer Onion Sets—Postage paid, qt., 30c; gal., 85c. Not prepaid, qt., 20c; gal., 70c; pk., \$1.25.

Notice: All prices on onion sets are subject to important market changes. We will, however, hold to these figures as long as we can. Better write for firm quotations, stating variety and quantity you want.

Berumda Onion Plants

These plants are perfectly hardy, set them out in February, March or April and they will make fine, large, mild, sweet flavored onions.

Yellow or Straw Colored Berumda Onion Plants—Price 100, 35c; 1000, \$2.25; per crate of 6000 plants, \$9.50, parcel post paid. Not prepaid, 100, 25c; 1000, \$2.00; per crate, 6000 plants, \$8.50.

Crystal White Wax Berumda Onion Plants—100, 40c; 1000, \$2.50; per crate of 6000 plants, \$10.50, parcel post paid. Not prepaid, 100, 30c; 1000, \$2.75; per crate of 6000 plants, \$9.50.



—100 Pittman's "BETTERBEST"
Bermuda Onion Plants—

PARSNIPS

CULTURE—Sow the seed in early Spring, $\frac{3}{4}$ of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds seed required for an acre.

Sugar, or Hollow Crown—The best for table use; easily raised and of great productiveness. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 85c; parcel post paid.

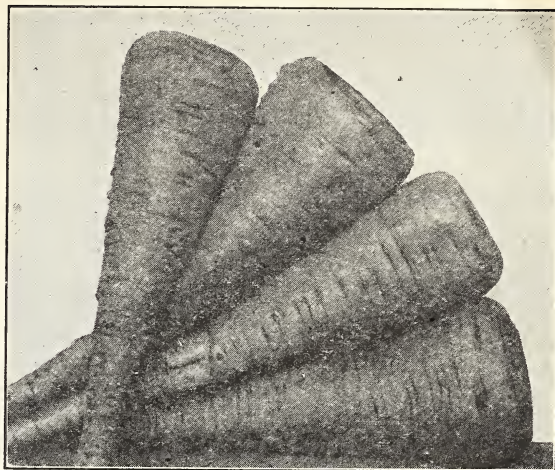
PARSLEY

CULTURE—Soak seed in water for a few hours and sow in rich soil early in spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

Champion Moss Curled—More densely crimped and curled than some other sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c; parcel post paid.

Double Curled—Compact, very curly and finely cut; bright green color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c; parcel post paid.

Plain, or Single—Leaves are flat, deeply cut, and dark green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; parcel post paid.



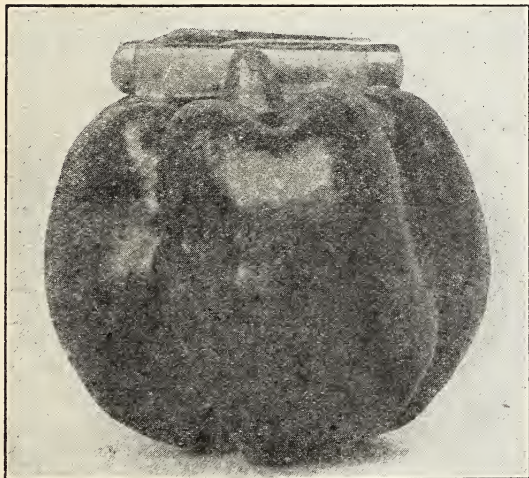
Sugar or Hollow Crown Parsnips

PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

Bell or Bull Nose—A large early sort, of mild flavor. Fruits are large. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.25; parcel post paid.

Bird's-Eye or Creole—Very hot; used for pepper vinegar. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.25; parcel post paid.



Chinese Giant Sweet Pepper

Chinese Giant—This variety is one of the largest and finest Peppers in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit. The fruit is well shown in our illustration, is quite square, average 4 inches in diameter, and is of a bright, glossy scarlet when ripe. The flesh is usually thick and very mild, having none of the pungency of most of the older varieties. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

Crimson Giant—Very large sweet pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

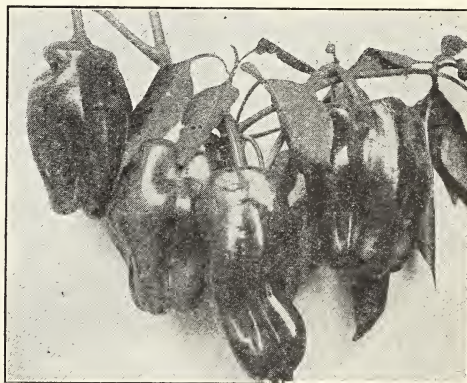
Golden Queen—Bright golden, yellow fruit, flesh sweet. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

Pimento—The sweetest Pepper grown, does not contain the slightest trace of fieriness. The plants are extremely productive, and Peppers are medium in size and of a shape which is desirable for filling. When fully ripe the Peppers are of brilliant red color and very attractive. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.75; parcel post paid.

Long Red Cayenne—A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.25; parcel post paid.

Ruby Giant—Similar to Ruby King. The fruit growing somewhat larger and are a little broader at the base. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

Ruby King—A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.75; parcel post paid.



World Beater

World Beater—Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

Red Chili—Small red, conical pods, hot and prolific. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Tobasco—This variety is used in manufacturing the well-known Tobasco Sauce. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

RUSSELL-HECKLE'S GARDEN PEAS



CULTURE—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later and on somewhat heavier soil. Sow Peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. In garden culture sow in double rows, 10 inches apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (*). These should not be planted until March.

Early Alaska—Matures in 50 days.

This is an extra-early Pea, blue in color, earlier by a few days than any other kind; very fine and prolific; the best flavored Pea among the extra-early smooth-podded kinds. We recommend it highly. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Bliss Everbearing*—

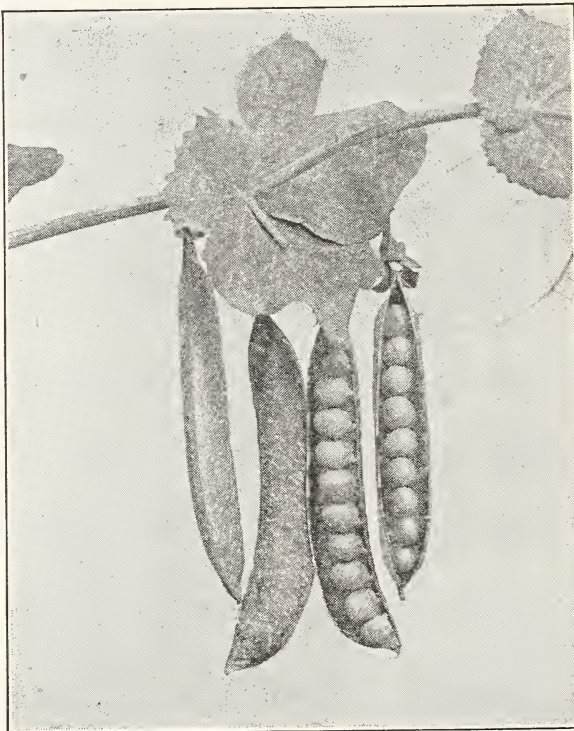
A good variety that continues in bearing a long time. A general favorite. Height, 3 feet. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Champion of England*

It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

The basis of better rural life is greater earning capacity. This the farmer can only obtain by building up and maintaining his soil fertility.

R.-H. Co.'s Leader*—Peas ready to pick in 60 days, pods about 4 inches long, rich dark green, well filled with wrinkled peas which are sweet and tender. Height 2 feet. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.



Early Alaska Peas

Large White Marrowfat—Height 5 feet. Vine and foliage stout, deep green. ½ pt., 20c; pt., 30c; qt., 55c; parcel post prepaid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

McLean's Little Gem*—Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height eighteen inches. ½ pt., 20c; pt., 30c; qt., 60c; parcel post prepaid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Russell-Heckle's First of All Peas—

Much effort and money has been expended to produce a large-podded "First and Best" Pea. Hitherto, these attempts have only succeeded at the expense of earliness. The First of All, however, is fully as early and much larger and more prolific than the best strains of First and Best. This gives it a great advantage over any existing sort. First of All is thoroughly fixed and free from sporting tendencies, of healthy, vigorous growth, and very hardy. The pods are 3½ to 4 inches long and borne in pairs. Vines grow two feet in height. ½ pt., 25c; pt., 40c; qt., 70c; parcel post prepaid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

Mammoth Melting Sugar—(Edible pod or sugar pea, 5 feet.) Large, broad pods. Cook pod like snap beans. ½ pt., 25c; pt., 40c; qt., 70c; parcel post prepaid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.



Thos. Laxton Peas

First and Best Extra Early—

The best of the white-seeded, extra-early sort. For earliness and purity it is without a rival. Pods short but well filled. Height, two and a half feet. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Gradus or Prosperity*

Ripens early; vines about three feet high; bears profusely. The pods almost as large as those of Telephone. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Laxtonian*—18 inches. The largest-podded of the dwarf wrinkle peas. A splendid new variety, becoming a favorite with those who grew for the market or for the home garden. Might be called dwarf Gradus. The peas have the same delicate flavor of that variety. Laxtonian matures earlier and is very prolific. If you have not grown this pea, try it this season. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

In planting the garden this year try some sugar corn. The best late varieties are Country Gentleman and Stowell's Evergreen.

Telephone*—The vines are tall, about four feet high, with large leaves, and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet. ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Thomas Laxton*—Large podded, extra early Pea. This fine early Pea was raised by crossing Gradus with the Alaska. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. It is of hardier constitution than the Gradus, and is earlier and of darker colored pod. In flavor this Pea is unsurpassed. ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

If you are going to do anything permanent for the average man you can begin before he is a man. The chance of success lies with the boy and not with the man.

R-H. Co's SEED POTATOES

CULTURE—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops.

On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.



Early Red Triumph

Early Red Triumph—Extremely prolific and extra early, the color a beautiful light red; medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price, peck, \$1.40. By express only.

Certified SEED SWEET POTATOES

The various State Plant Boards are becoming more strict every year and many are refusing admission to the state of all Sweet Potato slips not bearing a Plant Board certificate of freedom from all plant diseases. This is a protection to you. Buy only certified stocks—we have them, both potatoes and plants that have been certified.

Nancy Hall—Skin yellow; meat, which is clear, amber color, is as sweet as honey. Prices on application.

Porto Rico Yam—Skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet; tubers long and smooth; a very desirable shape. Prices on application.

For Fall Planting

COLD STORAGE POTATOES

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

Irish Cobbler—This is a most excellent variety. A large potato, round, and is slightly flattened; flesh white and cooks dry and floury. A good keeper, heavy yielder and possibly the most popular of all early varieties. Price, peck, \$1.35. By express only.

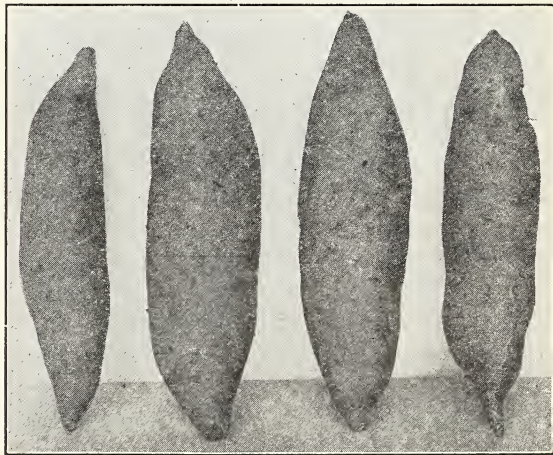
Lookout Mountain—Very prolific, late; long keeping variety, for planting in June and July. We book orders now for shipment in June. Prices on application.

McCormick Potato—At no time have we had the pleasure of securing such a wonderful potato. A railroad camp left a bag of these potatoes, some sensible farmer took them home and planted them and the results were something marvelous, both as to quality and productiveness. The past season and a dry one at that, the McCormick potato made 200 bushels of the finest large tubers you ever saw to the acre. The quality of the snow white flesh is extra fine, far superior to the Lookout or any other late maturing variety.

Don't plant the McCormick potato until June, and if you really want something good, new blood and a big cropper, get a few of the McCormick potatoes. We have them only in small lots, so order early if you wish to secure some. Prices on application.

Potato Bugs

Potato beetles will be at their work soon. Powdered arsenate of lead mixed with two or three parts of slacked lime and sifted through a meal sack or similar material will kill them. In the early morning while the dew is on and the wind quiet is a good time to make the application.



Nancy Hall Sweet Potatoes

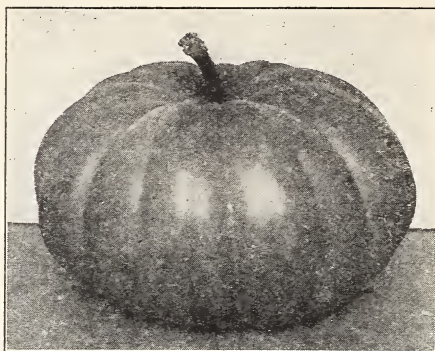
Certified SWEET POTATO SLIPS

Nancy Halls and Porto Ricos—These plants have been inspected by the State Plant Board and certified to be free from black rot and other plant diseases. The State of Mississippi refuses to allow any slips that have not been certified to come into that State. Prices: Certified Nancy Hall Slips and Porto Rico Slips, parcel post paid, 500, \$2.25; 1000, \$4.25; not prepaid, 1000, \$3.75; 5000, \$17.50.

PUMPKINS

CULTURE—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize, and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Cushaw—Very productive, good for table and stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; parcel post paid.



Kentucky Yellow Field Pumpkin

Japanese Pie—A large crook-necked sort; skin green, striped yellow. Flesh yellow and of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; parcel post paid.

Kentucky Yellow Field—A large variety of good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 40c; parcel post paid.

King of the Mammoth—Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; parcel post paid.

Tennessee Sweet Potato—Of medium size, creamy white, with light green stripes and fine grained brittle flesh. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; parcel post paid.

RADISH SEED

CULTURE—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet in drills.



Scarlet Button

Scarlet Button—From the time of seed sowing to the table in 20 days. The quickest growing radish of all. These radishes are perfectly round, of attractive bright red color, and have only a very few short leaves. The quality is all that could be desired; flesh white, very firm, crisp and mild. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00; parcel post paid.

Icicle—Long, slender, pure white, the earliest and finest long, white radish. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c; parcel post paid.

R.-H. Co.'s Perfection White Tip Radish—The most attractive bunching radish on the market—The best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early, crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c; parcel post paid.

China Rose Winter—One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c; parcel post paid.

Long Black Spanish Winter—Like the above, but the roots are longer. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 75c; parcel post paid.

RHUBARB

CULTURE—Set out in the early spring or fall in deep-worked soil four feet apart each way.

Rhubarb Roots—Two year roots, each, 30c; 6 for \$1.50; 12 for \$2.50; parcel post paid. Not prepaid, each, 25c; 6 for \$1.25; 12 for \$2.00.

One year roots, each, 15c; 6 for 75c; 12 for \$1.25; parcel post paid. Not prepaid, each, 10c; 6 for 60c; 12 for \$1.00.

Early Scarlet Turnip White Tip—Market gardeners' favorite radish out-doorplanting. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c; parcel post paid.

Early Scarlet Turnip—A very early, small, round radish; entire radish is of a rich scarlet color. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 70c; parcel post paid.

Early Scarlet Globe—A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c; parcel post paid.

Early Long Scarlet Short Top—Early, very short top, splendid shape and color. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 70c; parcel post paid.

French Breakfast—A very popular French variety of very rapid growth, color scarlet, tipped with white, and small in size. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c; parcel post paid.

Cooper's Sparkler—This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet, the bottom half clear white. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c; parcel post paid.

SALSIFY Oyster Plant

CULTURE—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.



Salsify

Mammoth Sandwich Island

This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25; parcel post paid.

SPINACH

CULTURE—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown in September. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

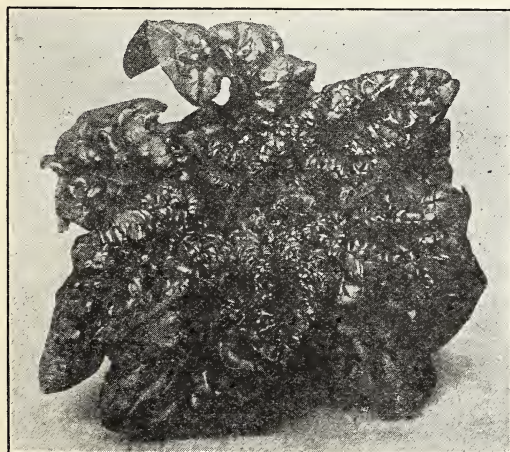


Bloomsdale Curled Savoy Spinach

Bloomsdale Curled Savoy—In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$1.75; parcel post paid.

Long Season—Of flat spreading but compact growth, this sort is especially noticeable for its short-stemmed, dark green leaves. Stands longer before going to seed than any other sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

Eskimo Giant—Produces its broad thick leaves early in the season. Its giant leaves often measure 20 inches across, which when cooked are very tender and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 70c; parcel post paid.



King of Denmark Spinach

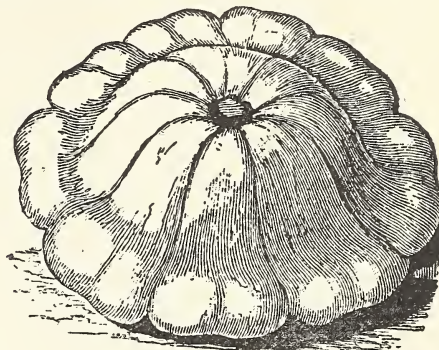
King of Denmark—The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. The numerous leaves are extra large, broad and rounded. Ready to cut in 48 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., 75c; parcel post paid.

New Zealand Spinach—This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Quantity prices on Bloomsdale Curled Savoy Spinach: 10 lbs., \$3.00; 25 lbs., \$6.25; parcel post paid. Not prepaid, 10 lbs., \$2.75; 25 lbs., \$5.75; 100 lbs., \$18.00.

SQUASH

CULTURE—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.



Early White Bush Squash

Early White Bush—The well-known summer variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.15; parcel post paid.

Cocozella (Italian Marrow)—Fruit large, oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Fordhook Bush—Oblong shaped, with cream-colored skin. Flesh light yellow, very thick and of excellent quality. Keeps well if allowed to ripen. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Giant Yellow Summer Crookneck—Fruit is large, bright yellow, and covered with warts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Hubbard—A favorite winter squash. Shell dark green and extremely hard. Flesh rich orange; dry and sweet. Splendid for cooking or pies. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Mammoth White Bush—Is nearly double the size of Early White Bush—Patty Pan—very uniform in size, prolific and fine quality; grows to 12 inches in diameter. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.15; parcel post paid.

Vegetable Marrow—Long White Bush. A very popular sort abroad and can be raised equally well here. Is long and slim, color white, with delicious white flesh. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Yellow Crookneck—A bush variety; early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Swiss Chard or Silver Beet

Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Tobacco

The seeds are sown in the Spring. When these plants are almost 6 inches high, set out, 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

Havana—Grown largely for wrappers of cigars.

Connecticut Seed Leaf—An early variety, for smoking and chewing.

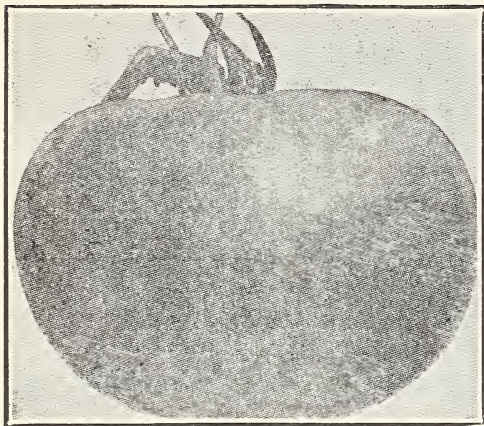
Improved White Burley—Fine for both chewing and smoking. Price of any of the above varieties: Pkt., 10c; oz., 50c; parcel post paid.



Swiss Chard

TOMATOES

CULTURE—The seed should be sown in March in a hotbed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of May the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants spray with Bordeaux mixture when first fruits have set.



Avon Early Tomato

Beauty—Is early, of good size, smooth, a good bearer and the quality is all that could be desired. The fruit is a purplish red color. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 80c; 1 lb., \$2.75; parcel post paid.

Earliana—A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50; parcel post paid.

Acme—Early and bears fruit until cut off by frost. Fruit is purplish, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.75; parcel post paid.

Early Detroit—The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. Not only are more fruits produced, but they average more nearly globe-shaped, are heavier, and are equally as firm, smooth and suitable for shipping. The fruits are of good size throughout the season. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Dwarf Ponderosa—It is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.00; parcel post paid.

Greater Baltimore (110 days)—A main crop variety; fruit large and brilliant red in color. Ripens evenly to the stem. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50; parcel post paid.

Livingston's Globe—Extra good, all-round tomato of a distinct globe shape, permitting a greater number of slices from a single fruit than from any other sort. Always smooth, firm-fleshed and has but few seeds, especially the early fruits. Very productive—the plants have many short joints at which clusters of 3 to 7 fruits are formed. A remarkably good keeper and colors up handsomely; a purplish pink shade. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.25; parcel post paid.

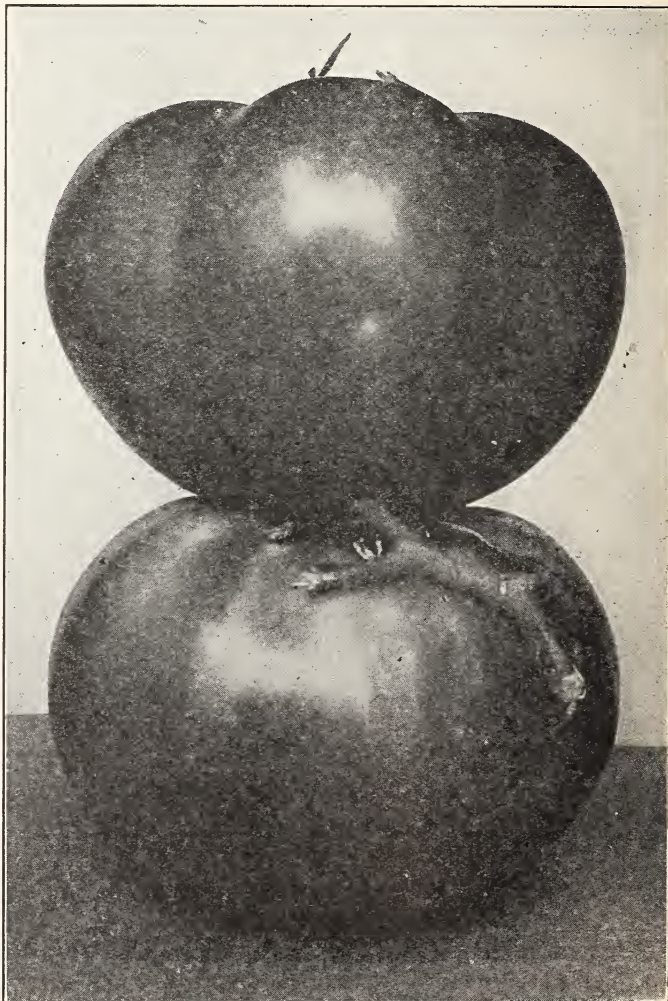
Avon Early—Fully as early as Earliana; fruits much larger and always perfectly smooth, of a deep scarlet color and don't crack; a fine variety for early market trade. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Beefsteak—Large fruit, 4 to $5\frac{1}{2}$ inches across, nearly always perfectly smooth; glossy, bright red flesh. Very solid; excellent quality; few seeds; ripening up to stem; good keeper. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Bonny Best—An excellent extra-early variety, maturing between Earliana and Chalk's Early Jewel. Medium sized, scarlet, smooth round shape. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00; parcel post paid.

Brimmer—A new tomato which is said to grow larger than any other kind. The fruit is unusually large, of a bright red color; is thick, meaty and contains but few seeds. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Burpees' Dwarf Giant—A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00; parcel post paid.



Early Detroit Tomato



Gulf State Market Tomato

Gulf State Market—One of the finest early globe shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purple pink, smooth skin, smooth and free from cracks. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.25; parcel post paid.

Norton Wilt-Resistant—Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Matchless—The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is free from core and the seed spaces comparatively small. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Ponderosa, the Giant Tomato—Of the large-fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Yellow Ponderosa—Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

R.-H. Co.'s Red Head Tomato—A superb early maturing variety coming into bearing with Earliana, however, it is perfectly smooth, of larger size and a deep but bright red color and holds its size throughout the season. One of our market gardeners here reports Red Head tomato has succeeded far better than any other variety; the vines are vigorous, heavy and do not show any tendency to wilt or leaf curl. The Red Head tomato does not appear to be affected with blossom end rot like most other sorts. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Red Rock—A most desirable and profitable variety for truckers and canners. It is an immense yielder, smooth as an apple; very red, heavy and an excellent shipper. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., 85c; 1 lb., \$2.75; parcel post paid.

Stone—A large, bright-red tomato, very well known and highly regarded. One of the very best for canning purposes. Good also for slicing. Matures early and very uniformly. Vigorous and productive. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; 1 lb., \$2.75; parcel post paid.

Trucker's Favorite—A purple fruited sort of excellent quality. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Plants are very thrifty, free from rust or blight and bear continually until killed by frost. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.25; parcel post paid.

Small or Preserving Tomatoes

Red Pear Shaped—Pkt., 5c; oz., 40c; parcel post paid.

Red Peach—Pkt., 5c; oz., 50c; parcel post paid.

Yellow Pear Shaped—Pkt., 5c; oz., 40c; parcel post paid.

RUSSELL-HECKLE'S TURNIP SEED

CULTURE—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about $\frac{1}{2}$ inch. Sow $1\frac{1}{2}$ pounds to the acre in drills, 2 pounds, broadcast.



Mammoth Purple Top White Globe Yellow Turnip

Mammoth Purple Top White Globe—One of the hand somest and most salable turnips. For home or market it is unsurpassed. It is a large, rapid growing sort, being ready for the table or market in about 65 days, with globular shaped roots. Flesh pure white, and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Dixie Land—A winter variety, large white bulbs, sow in August for winter use. They stand the coldest weather. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; parcel post paid.

Extra Early White Milan—The earliest turnip. Tops leaved and growing very erect. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Extra Early Purple Top Milan—A white variety, purple top and strapleaf. This, with the White Milan, is the earliest of all turnips. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Extra Early White Egg—A quick growing, egg shaped, pure white variety. Very sweet, firm and mild. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Long White Cow Horn—A long white turnip, 12 to 15 inches in length, $2\frac{1}{2}$ inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. One of the best and sweetest for home use or for stock feeding and excellent to plow under as a green fertilizer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Large Amber Globe—Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

R.-H. Co.'s Mixed Turnips—A general mixture; very desirable; produces greens and turnips, early and late; fine for home gardens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Large White Globe—A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine grained, maturing in about 75 days. Excellent for table or stock; also quite largely used for spring salad. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

R.-H. Co.'s American Red Top Globe Turnip—Grown for us on contract from our own special seed stock. A perfect globe shaped, with bright red or purple top and snow white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Our market gardeners here will have nothing but R.-H. Co.'s American grown Red Top White Globe, and we pride ourselves on this stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25; parcel post paid.

Red or Purple Top Strapleaf—Flat, white, with purple top. Fine grained and tender. Used for early market and table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Seven Top—The old standard popular salad variety, grown extensively for this purpose. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; parcel post paid.

Southern Prize—A southern winter turnip, forms large snow white bulbs that stand the severest winter. The tops make fine winter salad. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; parcel post paid.

Sweet German—A very hardy sort; used largely for greens in same manner as Seven Top. The roots are also valuable for stock feeding, growing to a large size. Grows outdoors all winter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; parcel post paid.

White Flat Dutch Strapleaf—An extra early pure white, flat-growing variety. Recommended for early market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.

Yellow Aberdeen Purple Top—A splendid keeping variety with firm, solid, yellow meat. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.



Rutabaga

RUTABAGA

CULTURE—Sow in drills or broadcast in June, July and August.

Improved Purple Top Yellow—The perfect Rutabaga, of symmetrical shape and firm flesh. The finest and most profitable of all yellow, purple top Rutabagas, being the hardiest, heaviest, best shaped and most productive. The roots are better keepers than most sorts. The flesh is of a beautiful yellow color, of the choicest quality, full of nourishment. Excellent for table use and stock feeding. Matures in 95 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., \$2.25; parcel post paid.



SOWING FLOWER SEEDS

Brief Hints on Sowing—Nine-tenths of the failures in raising flowers are caused by improper treatment of the seeds and young plants. The finer seeds should be started in shallow, well-drained boxes in the house and the young seedlings should be transplanted a few times until they are large enough to be set out into the open ground. Do not plant any seed as long as the ground is wet. A mellow loam, enriched with compost of rotted manure and leaf mould, is best adapted to most flowers. Rake the surface as smooth and fine as possible, elevating the surface of the beds and borders slightly in the middle so that surplus water may run off. Cover the different seeds in proportion to their size, giving very thin covering to small seeds and planting large seeds deeper.

All prices on flower seeds are parcel post paid.

Alyssum—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in Spring.

SWEET ALYSSUM—Packet, 5c; oz., 25c.

LITTLE GEM ALYSSUM—Three to four inches high; fine for borders. Pkt., 10c; oz., 50c.

Amaranthus—**CAUDATUS**—Love Lies Bleeding, very attractive, 3 feet. Pkt., 5c; oz., 30c.

TRICOLOR—Very attractive annual, called Joseph's Coat. Pkt., 5c; oz., 50c.

CRUENTUS—Showy annual, known as Princess Feather. Pkt., 5c; oz., 30c.

Antirrhinum, or Snap Dragon—Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

TALL MIXED—Many colors. Pkt., 5c; oz., 75c.

DWARF MIXED—Many colors. Pkt., 10c; oz., \$1.25.

SILVER PINK—Satin pink. Pkt., 10c; oz., \$1.50.

Asters—Very effective in beds or borders.

CHINA—Aster mixed colors. Pkt., 5c; oz., 75c.

GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt., 10c; oz., \$1.50.

VICTORIA MIXED—Flowers very large and perfect. Pkt., 10c; oz., \$1.75.

ALL COLORS MIXED—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range of colors and shapes. Pkt., 5c; oz., 90c.

Balsam—Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double.

DOUBLE MIXED—Pkt., 5c; oz., 50c.

Balsam Apple—Round, pear-shaped fruit with very fine glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 30c.

Balloon Vine—A rapid growing climber; thrives in light soil. Pkt., 5c; oz., 30c.

Bachelor's Button—Mixed colors. Also called Globe Amaranth, of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c; oz., 40c.

Calendula—(Pot Marigold)—Very hardy annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. Mixed varieties. Pkt., 5c; oz., 30c.

Calliopsis—Showy, beautiful free flowering annuals, excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 25c.

Canary Bird Vine—A beautiful climber with curiously shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Pkt., 5c; oz., 35c.

Cosmos—Among the garden annuals that have come into prominence in recent years the Cosmos leads all. Seeds sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

EARLY FLOWERING—Mixed colors. Pkt., 5c; oz., 35c.

DOUBLE COSMOS—Mixed colors. Pkt., 10c; oz., \$1.50.

KLONDYKE YELLOW COSMOS—Pkt., 10c; oz., \$1.25.

GIANT FLOWERING—Pink. Pkt., 10c; oz., 50c.

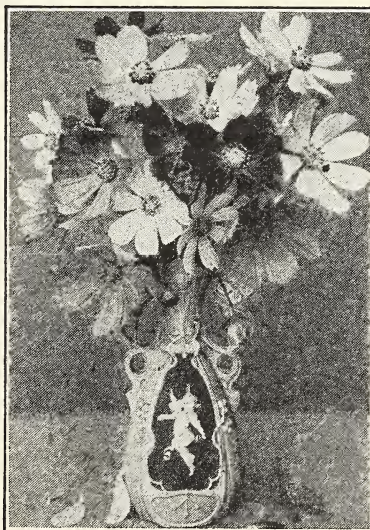
GIANT FLOWERING—Crimson. Pkt., 10c; oz., 50c.

GIANT FLOWERING—White. Pkt., 10c; oz., 50c.

GIANT FLOWERING—Mixed colors. Pkt., 10c; oz., 40c.

Canterbury Bells—Handsome, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 4 feet. Single mixed colors. Pkt., 5c; oz., 40c.

Candytuft—One of the earliest blooming plants in spring and easily raised from seed. The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt., 5c; oz., 20c.



Giant Flowering Cosmos

Fall Bulbs

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

Cardinal Climber—A new and brilliant colored annual climber. Flowers glowing scarlet. $1\frac{1}{2}$ inches in diameter, the tube being $1\frac{1}{4}$ inches in length. Vines attaining a height of from 20 to 30 feet. Pkt., 10c; oz., \$1.25.

Carnation Marguerite—The plants of this wonderful fine strain may be made to flower in four months. The flowers are large, double and very fragrant. Mixed colors. Pkt., 10c; oz., \$1.50.

Chinese Woolflower—Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt., 10c; oz., \$2.00.

Cobea Scandens (Cup and Saucer Vine)—A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flower. Pkt., 5c; oz., 50c.

Columbine—Very desirable, easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt., 5c; oz., 60c.

Canna—Stately, ornamental, producing clusters of large flowers of the most intense, varied and brilliant colors. Plant the seed in February, first soaking them for a day in warm water. Mixed colors. Pkt., 5c; oz., 25c.



Coreopsis

Cornflower—Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

Single Mixed Cornflower—Pkt., 5c; oz., 35c.

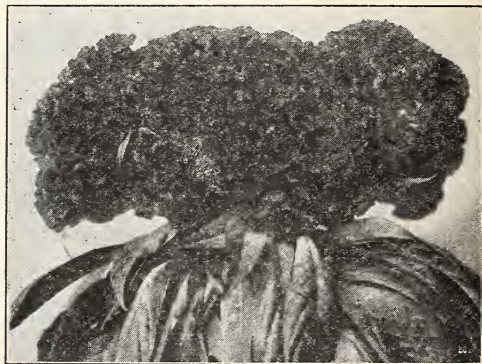
Double Mixed—Pkt., 5c; oz., 50c.

Single Blue—Pkt., 10c; oz., 35c.

Double Blue—Pkt., 10c; oz., 50c.

Cockscomb

Celosia—The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Dwarf sorts mixed. Pkt., 10c; oz., \$1.50.



Cockscomb

Coleus—Probably the best known and most popular of ornament foliage plants. The leaves are of many shades of color. Tender perennial. Mixed colors. Pkt., 15c.

Coreopsis—Fine for cutting; graceful flowers. Pkt., 5c; oz., 40c.

Cypress Vine—Rapid climber, having dark green, feathery foliage, bearing an abundance of star-like flowers; fine for trellises and arbors. Mixed Colors—Pkt., 5c; oz., 35c.

Dahlia—This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Double mixed giants—Pkt., 10c; oz., \$2.00.

Daisy Shasta—Pure white; gigantic; will bloom in six months from seeding. Pkt., 10c.

Eschscholtzia—California Poppy—A genius of the poppy family, fully as valuable as the common poppy for garden ornamentation, as it blooms almost continuously. Hardy annuals; height 1 foot. **GOLDEN WEST**—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt., 5c; oz., 35c. Mixed colors—Pkt., 5c; oz., 30c.

Forget-Me-Not—Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt., 5c; oz., 75c.

Foxglove (Digitalis)—Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt., 5c; oz., 60c.

Four O'Clock (Marvel Peru)—Mixed. These flowers are funnel shaped, and open about four o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt., 5c; oz., 20c.

Gaillardia—Blanket flower, showy and excellent for beds or for cutting. Hardy annual 1-2 feet high, mixed. Pkt., 5c; oz., 50c.

Globe Amaranth (Bachelor's Button)—A single plant will produce several hundred flowers. Mixed colors. Pkt., 5c; oz., 35c.

Gourd—A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 ft. high. Pkt., 5c; oz., 25c.

Gypsophila (Baby's Breath)—Graceful, free flowering plant, forming a symmetrical bush, covered with loose panicles of flowers; excellent for cutting and mixing in bouquets.

Helichrysum—Hardy annual everlasting flower, large double blooms called the Straw Flower, mixed colors. Pkt., 5c; oz., 50c.

Heliotrope—Will bloom as easily from seed as any of the common annuals. Pkt., 10c; oz., \$1.25.

Hyacinth—OR JACK BEAN. A rapid growing annual climber; mixed; all colors. Pkt., 5c; oz., 20c.

Hollyhocks—Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

Double Red Hollyhock. Pkt., 10c; oz., \$1.50.

Double Pink Hollyhock. Pkt., 10c; oz., \$1.50.

Double White Hollyhock. Pkt., 10c; oz., \$1.50.

Double Mixed Hollyhock. Pkt., 10c; oz., \$1.25.

Ice Plant—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt., 5c; oz., 35c.

Kochia—Or Summer Cypress—Grows quickly from seed sown in the open ground. The bushy plants resembling balls of fire; makes a good summer hedge. Pkt., 5c; oz., 35c.

Kudzu Vine—A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea shaped, of a rosy purple color. Pkt., 10c.

Larkspur—The larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual.

Sky Blue Larkspur. Pkt., 10c; oz., 75c.

Pure White Larkspur. Pkt., 10c; oz., 60c.

Shell Pink Larkspur. Pkt., 10c; oz., 75c.

Finest Mixed Larkspur. Pkt., 5c; oz., 40c.

Perennial. The hardy kind. Mixed varieties. Pkt., 10c.

Lobelia—A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt., 5c; oz., 60c.

Marigold—Hardy annuals, in bloom till frost comes.

Tall Mixed—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Pkt., 5c; oz., 45c.

Dwarf French—Fine for edging and bedding. Pkt., 5c; oz., 40c.

Mignonette—A well known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

SWEET MIGNONETTE—Pkt., 5c; oz., 20c.



Marigold



Nasturtiums

Nasturtiums

CULTURE—Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well drained, sunny position.

DWARF CHOICE MIXTURE. A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

CHOICE TALL MIXED. Giant flowers, the plants producing a profusion of bloom. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Pansies

These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

PANSY CHOICE. A splendid mixture of many very fine varieties. Pkt., 5c; oz., \$1.00.

PANSY (MAMMOTH FLOWERING, MIXED). A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt., 10c; oz., \$1.50.

Portulaca—Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly-colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, ½ foot. Single Mixed—Pkt., 5c; oz., 50c. Double Mixed—Pkt., 10c; oz., \$2.50.



Mammoth Flowering Pansies

Moon Flower—So called from its rare peculiarity of blooming best at night. A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

WHITE MOON FLOWER. Pkt., 10c; oz., 50c.

BONA NOX. Blue moon flower; large and fragrant. Pkt., 10c; oz., 50c.

Morning Glory—A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings. Choice Mixed—Pkt., 5c; oz., 10c.

JAPANESE MIXED. New improved Japanese Convolvulus flower measuring from 4 to 5 inches across; great variety of colors. Pkt., 5c; oz., 25c.

*Monroe Carter, Amory, Miss.,
Route No. 1, writes Russell-Heckle
Seed Co.: Please send me your new
seed book as I want to order early.
I have planted your seed before
and like them fine.*



Mammoth Flowering Petunias

Petunias

CULTURE—Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height, 1½ feet.

CHOICE SINGLE MIXED. Good mixture of all free blooming colors. Pkt., 5c; oz., 60c.

HOWARD'S STAR. Compact-growing variety; flowers striped and blotched. Pkt., 10c; oz., \$2.00.

MAMMOTH FLOWERING. Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt., 10c; oz., \$1.50.

BALCONY. A splendid large and free flowering type either for vases, hanging baskets or window boxes; flowers average three inches across, making a very effective display. Mixed colors. Pkt., 15c; 2 pkts., 25c.

INITIAL STRIPED AND BLOTCHED. Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt., 10c; oz., \$1.00.

ROSY MORN PETUNIA. Soft carmine pink with white throat; fine for borders, being free flowering and showy. Pkt., 10c; ½ oz., \$1.25; 1 oz., \$2.50.

DOUBLE MIXED. Will come 70 per cent double from seed. Finest mixed. Pkt., 25c.

*Miss Nina Jones, Her-
nando, Miss., Route No. 2,
Box 11, writes: We are
highly pleased with the seed
we bought from you last
spring. Send me a free cata-
logue at your earliest con-
venience.*

Pinks—Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

CHINA DOUBLE MIXED. Pkt., 5c; oz., 50c.

HEDDEWIGH DOUBLE MIXED. Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 60c.

DOUBLE DIADEM. A most brilliant mixing of colors of bewildering beauty. Pkt., 5c; oz., 80c.

HARDY PERENNIAL PINK. Sweet clove pink. Hardy, single, white, fringed flowers with dark center. Pkt., 10c; oz., \$1.00.



Double Diadem Pinks



Phlox

Phlox Drummondii—

The annual phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

CHOICE MIXED. Contains fine select varieties of this showy annual. Pkt., 5c; oz., 60c.

MAMMOTH FLOWERING MIXED. Pkt., 10c; oz., \$1.25.

FIREBALL. Flowers large, blood red. Pkt., 10c.

SNOWBALL. Large, clear white flower. Pkt., 10c.

STAR OF QUEDLINBURG. Large flowers with curiously pointed and toothed blossoms having a star like form, mixed colors. Pkt., 10c; oz., \$1.25.



Snow on the Mountain

Poppies—Annual and perennial plants of very easy culture, which furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order and the annual varieties will flower from June on for some weeks.

DOUBLE PEONY FLOWERED. Annual variety; mixed; large, full, double fringed flowers. Pkt., 5c; oz., 20c.

SHIRLEY. These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 30c.

DOUBLE CARNATION FLOWERED. Extra large and double. Pkt., 5c; oz., 25c.

DOUBLE SHIRLEY. A new double Shirley. Pkt., 10c.

DOUBLE, FINE MIXED. A combination of all varieties, single and double flowers. Pkt., 5c; oz., 25c.

PERENNIAL POPPY. These are hardy. Come up every year. Mixed colors. Pkt., 10c.

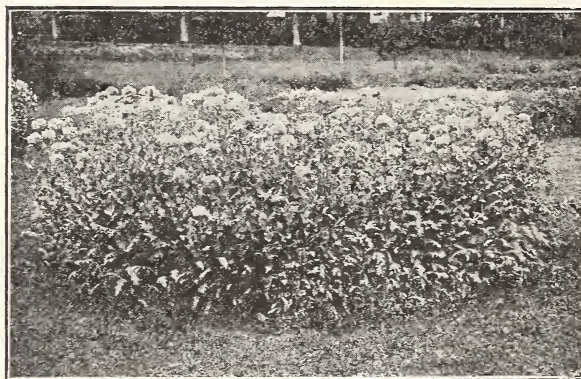
Ricinus (Castor Oil Bean)—

Stately, strong growing annual plants, with very ornamental foliage, well adapted as center plants of groups of cannas, dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

MIXED RICINUS. Pkt., 5c; oz., 20c.

Rudbeckia (Golden Glow)—

Fine free-flowering annual variety. The disc is brown, the florets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. Crop failed.



Shirley Poppies

Snow on the Mountain (Euphorbia)—An exceedingly ornamental plant for mixed border or as a background for low growing plants. The foliage is light green with white margin. 2 feet high. Pkt., 5c; oz., 40c.

Scabiosa (Mourning Bride)—A very showy, hardy, annual, fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt., 10c; 1 oz., 40c.

Sensitive Plant—One of the most remarkable and interesting plants in cultivation; the leaves, when touched, instantly fold up. Pkt., 5c; oz., 45c.

Ricinus Zanzibariensis—Leaves very large, having a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed colors. Pkt., 10c; oz., 25c.

Stocks (Gilliflower) —

Useful annuals for bedding, borders, cut-flowers and pot culture.

LARGE FLOWERING TEN WEEKS. A fine large-flowering strain of many colors. Pkt., 10c; oz., 80c.

Summer Cypress or Mexican Fire Bush—

An easily grown annual, which grows into a cypress-like hedge, with feathery foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet. Pkt., 5c; oz., 35c.



Summer Cypress Kochia or Burning Bush

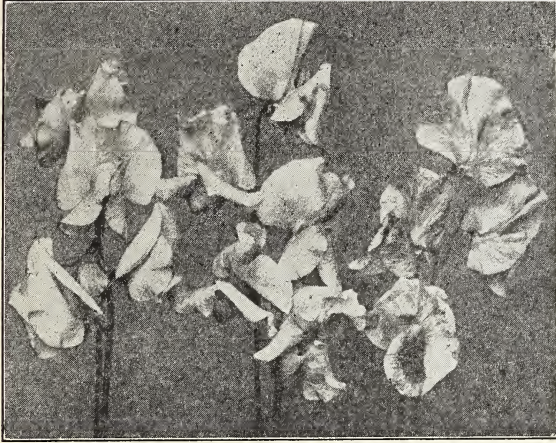
ZINNIA COLLECTION**Special Offer 50c**

One 10c packet each of following varieties:

Fancy Giant Crimson.
Fancy Giant Pink.
Fancy Giant White.
Fancy Giant Yellow.
Fancy Giant Orange.
Fancy Giant Shr. Pink.
Fancy Giant Scarlet.
New Dahlia Fl. Mixed.

SWEET PEAS

CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.



Separate Colors—Large Flowering Spencers—

This group includes the largest and most beautifully formed sweet peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting.

Apple Blossom—Extra select red and white always proves satisfactory. Pkt., 10c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.50; parcel post paid.

Campfire Spencer—Rich deep scarlet, large size, stands up well on long stems. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.75, parcel post paid.

Countess Spencer—Bright clear pink, sometimes darker toward the edges; very large, open form; long stems. The first variety introduced of the Spencer type and still the best deep pink sweet pea. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Constance Hinton—Probably the largest White Spencer yet introduced. The flowers have a slight tint of pink when young and are almost uniformly in four flowered sprays on long stout stems. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Dobbie's Cream Spencer—Deep cream or primrose colored; nicely waved. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Doreen Spencer—Bright Crimson, large stems, holds color well all during the season. Pkt., 15c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.35; parcel post paid.

Fiery Cross Spencer—Intense orange scarlet, distinct both in color and size. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Jack Cornwall Spencer—Rich violet blue, a distinct beautiful color, very large blossom. Pkt., 10c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.45; parcel post paid.

King Edward VII—The best pure red Spencer. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

King White—The form, size, vigor, waviness and purity of color give pre-eminence to its claim as the best Spencer. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Improved Frederick Austin—A giant, lavender shade, new, very fine. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Mary Pickford Spencer—The last word in pink Spencers, a most delightful and pleasing shade of cream pink with a tinge of salmon, blooms produced four on a stem. Pkt., 25c; 3 pkts., 50c.

Margaret Atlee—Is a rosy, salmon-pink on a creamy buff ground; a rich, soft color, and extremely attractive. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Miss California Spencer—A wonderfully pleasing shade of salmon pink, with largest blossoms. Pkt., 10c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.35; parcel post paid.

Mrs. Tom Jones—A bright delphinium blue, a new shade of excellent beauty. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Royal Purple Spencer—A rich purple; one of the finest and most pleasing colors. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50 parcel post paid.

Tangerine Improved Spencer—Glowing orange shade, the last word in a deep golden yellow sweet peas, one of the very finest. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Youth Spencer—Large white and purple edged, fine, robust flower. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Special Spencer Sweet Pea Collection—

One packet of above, 18 Spencer Sweet Peas for only \$1.50; parcel post paid.

Early Flowering "Spencer" Sweet Peas

Fully as large flowered as the other Spencers, come into bloom from two to three weeks earlier.

Price of the following six early flowering Spencers: Pkt., 15c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

EARLY FLOWERING BLUE BIRD—A beautiful violet blue.
EARLY FLOWERING GRENADIER—A dazzling crimson flower.
EARLY FLOWERING LAVENDER KING—Rich lavender; large.
EARLY FLOWERING OTHELLO—Deep purple maroon; showy.
EARLY FLOWERING SNOWSTORM—Large, bold, pure white flower.
EARLY FLOWERING YARRAWA—Rose pink, lighter wings.

R.-H. Co.'s Mixed Sweet Peas

R.-H. Co.'s Mixed Spencer—They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Burpee's Finest Mixed Spencers—From the house of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Early Flowering Mixed Spencers—A rare combination containing all the shades of early flowering Spencers. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Eckford Royal Mixed—Composed of the very best varieties of the Grandiflora type of Sweet Peas. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Cupid Mixed—These form a line of emerald-green foliage a little over a foot wide and six inches high and from June until late summer. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.85; parcel post paid.

Perennial Sweet Peas—The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.



Scarlet Sage or Salvia

Salvia or Scarlet Sage—A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall, also makes a fine pot plant. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.

SPLENDENS (Scarlet Sage). The scarlet variety. Pkt., 10c; ½ oz., 60c; ½ oz., \$1.00.

CLARA BEDMANS. Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., 15c; oz., \$2.50.

Thunbergia (Black-Eyed Susan)—A beautiful, tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 75c.

Verbena—Annual for beds, borders, massing, window gardens, covering mounds, etc. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

CHOICE. Mixed; embraces all colors. Pkt., 5c; oz., 50c.

MAMMOTH FLOWERED MIXED. Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.00.

FINE PINK. Pkt., 10c; oz., \$1.00.

DEEP PURPLE. Pkt., 10c; oz., \$1.00.

BRIGHT CRIMSON. Pkt., 10c; oz., \$1.00.

PURE WHITE. Pkt., 10c; oz., \$1.00.

STRIPED. A mixture of striped sorts. Pkt., 10c; oz., \$1.00.



Mammoth Flowered Mixed Verbenas

SPECIAL OFFER

One packet each
of the above seven
varieties of Ver-
bena Seed for only
50 Cents

Sweet William—Makes an elegant display, producing a succession of flower clusters for several weeks, the colors varied, ranging from pure white to nearly black. If sown early, will bloom the following fall; fall sowings bloom the next summer. Height, 1½ feet.

SINGLE. Varieties; mixed; more attractive than the double. Pkt., 5c; oz., 40c.

DOUBLE. Mixed; a mammoth flowered type of great beauty. Pkt., 10c; oz., \$1.50.

Scarlet Runner Beans—A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; oz., 15c.

Sunflower—Tall growing plants, with large and showy yellow flowers; hardy annuals. Any variety:

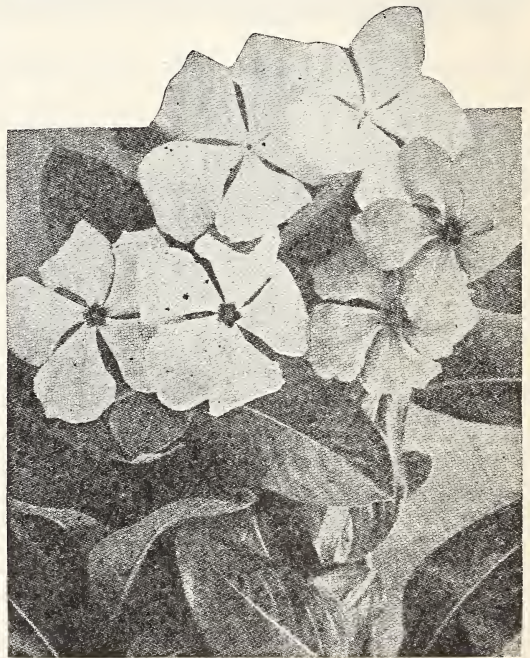
DOUBLE DWARF. 4 feet. Pkt., 5c; oz., 40c.

GLOBE OF GOLD. 4½ feet. Pkt., 5c; oz., 30c.

DOUBLE TALL. 7 feet. Pkt., 5c; oz., 30c.

SINGLE. 5 feet. Pkt., 5c; oz., 30c.

Red Sunflower—The diversity of form of the Red Sunflower is as interesting as beautiful. Straight and flat petals vary with twisted and pointed ones, which appear colored in various shades of red, forming often a distinct circle of yellow ground around the dark disk; 3 feet high. Pkt., 10c.



Vinca or Periwinkle

VINCA

Periwinkle—Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders.

VINCA—Mixed colors. Pkt., 10c; oz., \$1.00.

VINCA ROSEA. Pink. Pkt., 10c; oz., \$1.25.

VINCA ALBA. Pure white. Pkt., 10c; oz., \$1.25.

Wallflower—Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt., 5c; oz., 35c.

Wild Flower Garden Mixture—A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.



Dahlia Flowering Zinnia

New Dahlia-Flowered Zinnias—In this fine new type of Zinnias the flower petals stand well apart. This characteristic adds to the texture of the flowers and lends a graceful and airy appearance. The flowers have a close resemblance to Decorative Dahlias. Many fine colors.

Crimson Monarch—Immense size, bright crimson scarlet. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Exquisite—A pleasing shade of rose color, one of the finest pinks. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Golden State—Rich golden yellow shading to orange as the flower opens. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Old Rose—A beautiful dark salmony red or old rose. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Oriole—Orange and gold, a most attractive shade, very large. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Polar Bear—Extra large pure white, no other variety will equal same. Pkt., 20c; ½ oz., \$2.00; oz., \$3.50.

Scarlet Flame—Very deep, brilliant red, large size. Pkt., 20c; ½ oz., \$2.00; oz., \$3.75.

Mixed Colors—A fine combination of this wonderful variety. Pkt., 15c; ½ oz., 75c; oz., \$1.50.

Special Offer—One packet each of above eight Dahlia Flowering Zinnia seed, total retail value, \$1.55, for only \$1.15. Parcel post paid.

New Cactus Flowered Zinnias—Distinct in form, petals quilled, and much resembles the Cactus Dahlia; the colors range through various shades of yellow, orange, pink, rose, scarlet and bright crimson, the flowers are produced in abundance and on well grown plants the blossoms will average four to five inches in diameter.

Prices: Mixed colors, pkt., 15c; ½ oz., \$1.00; oz., \$1.75.

Russell-Heckle's ZINNIAS

Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. For bedding, for borders and for cut flowers they furnish a wealth of blooms from early summer till late in the fall. Plant early in rows 1½ to 2 feet apart and cover the seeds about one-fourth inch deep; or start indoors and transplant outside when the ground is warm. Hardy annual.

R.-H. Co.'s Fancy Giant Zinnias—

In this strain of Zinnias we have a flower of perfect form, round, full and double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow from 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals.

Fancy Crimson	Pkt., 10c; oz.,	\$1.00
Fancy Pink	Pkt., 10c; oz.,	1.00
Fancy White	Pkt., 10c; oz.,	1.00
Fancy Yellow	Pkt., 10c; oz.,	1.00
Fancy Orange	Pkt., 10c; oz.,	1.00
Fancy Shrimp Pink	Pkt., 10c; oz.,	1.00
Fancy Scarlet	Pkt., 10c; oz.,	1.00
Fancy Giant Mixed Colors....	Pkt., 10c; oz.,	1.00

Choice Double Mixed Zinnia—

Embracing all the variously colored double varieties, making an elegant mixture for groups, beds, borders, etc. Pkt., 5c; oz., 50c.

Dwarf Zinnias—This type is wonderfully adapted to borders or beds. The plants are compact and are covered with a multitude of flowers all during summer and fall. Well-grown plants measure 12 inches in height.

Scarlet—Bright fiery red.....	Pkt., 15c; oz.,	\$1.00
Orange—Rich golden orange....	Pkt., 15c; oz.,	1.00
White—Pure white	Pkt., 15c; oz.,	1.00
Pink—A delicate shade.....	Pkt., 15c; oz.,	1.00
Finest Mixed—All colors.....	Pkt., 10c; oz.,	.75

Double Curled and Crested Zinnia—

A new strain, fantastically shaped flowers with twisted petals, brilliant colors. Mixed, 2 feet. Pkt., 10c; oz., \$1.00.



R. H. Co.'s Fancy Giant Zinnias

SPRING FLOWERING BULBS

Gladiolus—One of the best and most certain flowering bulbs. Plant at intervals from March to July.



Halley Gladiolus

Named Gladiolus Bulbs

- America**—Soft, lavender pink; very fine. Doz., 60c; 100, \$3.00; parcel post paid. Not prepaid, Doz., 50c; 100, \$2.75.
- Baron Hulot or Blue King**—A really fine blue gladiolus, rich royal violet blue. Doz., \$1.00; 100, \$6.75; parcel post paid. Not prepaid, Doz., 90c; 100, \$6.50.
- Principine**—Intense scarlet, marked white on lower portion; very showy. Doz., 65c; 100, \$4.25; parcel post paid. Not prepaid, Doz., 55c; 100, \$4.00.
- Halley**—Delicate rose, with a white blotch. Doz., 65c; 100, \$3.75; parcel post paid. Not prepaid, Doz., 55c; 100, \$3.50.
- Mrs. Frances King**—Produces immense flamingo pink blossoms. Doz., 65c; 100, \$3.50; parcel post paid. Not prepaid, Doz., 50c; 100, \$3.25.
- Niagara**—A delightful cream yellow shade, splashed with carmine. Doz., 85c; 100, \$5.00; parcel post paid. Not prepaid, Doz., 75c; 100, \$4.75.
- Panama**—Darker pink than America and larger. Doz., 70c; 100, \$4.50; parcel post paid. Not prepaid, Doz., 60c; 100, \$4.25.
- Prince of Wales**—Delicate apricot pink, suffused with salmon, a most pleasing color. Doz., 85c; 100, \$5.00; parcel post paid. Not prepaid, Doz., 75c; 100, \$4.75.
- Purity**—A pure white gladioli, a wonderful large flower, full spike and very showy. Doz., 65c; 100, \$4.25; parcel post paid. Not prepaid, Doz., 60c; 100, \$4.00.
- Schwaben**—Pure canary yellow, shaded sulphur yellow. Doz., 70c; 100, \$4.25; parcel post paid. Not prepaid, Doz., 60c; 100, \$4.00.

Gladiolus Bargain

- 2 each of above 10 separate varieties for.....\$1.00
 6 each of above 10 separate varieties for.....2.50
 12 each of above 10 separate varieties for.....4.50
 All parcel post paid.

Mixed Gladiolus Bulbs

- R.-H. Co.'s Giant Flowering Mixed**—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz., 60c; 100, \$3.50; parcel post paid. Not prepaid, Doz., 50c; 100, \$3.25.
- Childsii Gladiolus**—Superb; large flowered; mixed colors. Doz., 60c; 100, \$3.50; parcel post paid. Not prepaid, Doz., 50c; 100, \$3.25.

Fine Mixed Hybrids—Doz., 40c; 100, \$2.75; parcel post paid. Not prepaid, Doz., 35c; 100, \$2.50.

Primulinus Hybrids—A new species called the Butterfly Gladiolus; mixed colors. Doz., 60c; 100, \$3.75; parcel post paid. Not prepaid, Doz., 50c; 100, \$3.50.

Dahlias

FINE NAMED DAHLIAS—The following are all first class varieties; the best of their color and well adapted to this section.



Flamingo Dahlia

- Baron Schroeder**—Decorative Dahlia, light purple, large. Each, 30c; doz., \$2.85. Each, 25c; doz., \$2.50; by parcel post, \$2.85.
- Elsa**—White Peony flowered Dahlia, large flowers on long stems. Each, 40c; doz., \$4.00; by parcel post, each, 45c; doz., \$4.35.
- Flamingo**—Rich, rosy pink, decorative. Each, 35c; doz., \$3.25; by parcel post, each 40c; doz., \$3.60.
- Lucero**—Bronze buff, one of the best autumn decorative Dahlias. Each, 35c; doz., \$3.25; by parcel post, each, 40c; doz., \$3.60.
- Mina Burgie**—Dark scarlet, the best decorative Dahlia of its color. Each, 30c; doz., \$3.00; by parcel post, each, 35c; doz., \$3.85.
- Dracut Purple**—Free flowering purple, decorative Dahlia. Each, 25c; doz., \$2.50; by parcel post, each, 30c; doz., \$2.85.
- Oregon Beauty**—Oriental red, overlaid with a golden sheen, a giant in size. Each, 40c; doz., \$4.00; by parcel post, each 45c; doz., \$4.35.
- Frank A. Walker**—A pleasing shade of lavender pink, extra good. Each 40c; doz., \$4.00; by parcel post, each, 45c; doz., \$4.35.
- La Purity**—The best white Cactus Dahlia for cutting. Each, 40c; doz., \$4.00; by parcel post, each, 45c; doz., \$4.35.
- Mlle. Marie Doucet**—Mauve pink, shading white at center to a beautiful Cactus Dahlia. Each, 35c; doz., \$3.25; by parcel post, each, 40c; doz., \$3.60.
- White Swan**—One of the best white Show Dahlias. Each, 25c; doz., \$2.50; by parcel post, each, 30c; doz., \$2.85.
- Yellow Duke**—The best yellow of its class. Each, 25c; doz., \$2.50; by parcel post, each, 30c; doz., \$2.85.
- SPECIAL OFFER**—One each of above fine named Dahlias (12 in all) for \$2.65; by parcel post, \$3.00.

Dahlia Bulbs—Separate Colors

These are all first size large bulbs in the following colors:

Double Pink	Double Purple	Double Yellow
Double White	Double Scarlet	Double Striped

Parcel post paid, each 20c; doz., \$1.75. Not prepaid, each, 15c; doz., \$1.50.

Caladiums or "Elephant Ears"

Caladiums—Caladiums are most effective plants in cultivation for beds, borders, or for planting out upon the lawn. Small bulbs, each 15c; doz., \$1.25; parcel post paid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 25c; doz., \$2.60; parcel post paid. Not prepaid, by express, each, 25c; doz., \$2.25.

Mammoth bulbs, each, 50c; doz., \$4.25; parcel post paid. Not prepaid, by express, each, 40c; doz., \$4.00.

Select Canna Bulbs



Wintzers Colossal Cannas

Eureka—The best white Canna, with bright green foliage, height, 4 feet. Price, each, 20c; 12 for \$1.75; parcel post paid. Not prepaid, each 15c; 12 for \$1.50.

Hungaria—The new pink canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, 20c; doz., \$2.00; parcel post paid. Not prepaid, each, 15c; doz., \$1.75.

King Humbert—Orange scarlet, bronze foliage, 4 feet. Each 15c; doz., \$1.50; parcel post paid. Not prepaid, each, 10c; doz., \$1.25.

Orange Bedder—Green foliage, very large orange scarlet flowers, 4 feet. Each, 20c; doz., \$1.75; parcel post paid. Not prepaid, each, 15c; doz., \$1.50.

Mrs. Alfred Conrad—A beautiful pink Canna, with green foliage, 4 feet, flowers large and showy. Price, each, 25c; 12 for \$2.20; parcel post paid. Not prepaid, each, 20c; 12 for \$2.00.

City of Portland—One of the finest pink cannas. Rich green foliage, 3½ feet high. Each, 25c; doz., \$2.00; parcel post paid. Not prepaid, each, 15c; doz., \$1.75.

The President—Bright crimson, very large flower, deep green foliage; 4 feet. Each, 15c; doz., \$1.50; parcel post paid. Not prepaid, each, 12c; doz., \$1.25.

Wintzers Colossal—Immense size, brightest crimson color, green foliage, height 5 feet. Each, 25c; doz., \$2.25; parcel post paid. Not prepaid, each, 20c; doz., \$2.00.

Yellow King Humbert—Yellow dotted red, green foliage, height, 4 feet. Each, 20c; doz., \$1.50; parcel post paid. Not prepaid, each, 12c; doz., \$1.25.

Tuberoses

Double Pearl—Doz., 70c; parcel post paid. Not prepaid, doz., 60c; 100, \$3.50.

Armstrong's Ever-Blooming Tuberose

A single, sweet-scented early blooming variety; blooms longer than the double. Doz., 70c; 100, \$3.75; parcel post paid. Not prepaid, doz., 60c; 100, \$3.50.

Amaryllis—Easily grown, can be forced in pots or planted outdoor. They make a beautiful blossom resembling the lily.

Equestra Orange

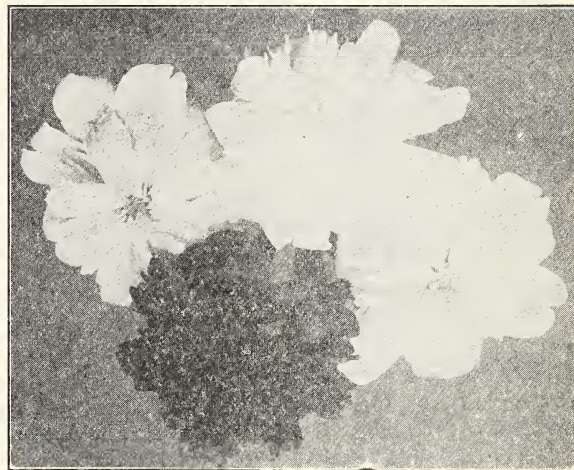
Scarlet—Each, 40c; 3 for \$1.00; parcel post paid. Not prepaid, each 35c; 3 for 90c.

Belladonna Major Pink—Each, 35c; 3 for \$1.00; parcel post paid. Not prepaid, each, 30c; 3 for 80c.



Double Pearl Tuberose

Peonies



Peonies

Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border.

An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

Named Peonies—Extra fine varieties of Named Peonies, all well adapted to this locality.

Armandine Mechin—Large, rich crimson, very brilliant mid season, each, 60c; 3 for \$1.50; parcel post paid. Not prepaid, each, 50c; 3 for \$1.30; 12 for \$4.80.

Couronne d'Or—Immense white flower with a ring of yellow around the center, robust grower and a free bloomer. Each, 50c; 3 for \$1.35; parcel post paid.

Eudulus Superba—Very early bright clear pink, called the Decoration Day Peony. Each, 60c; 3 for \$1.50; parcel post paid. Not prepaid, each, 50c; 3 for \$1.30; 12 for \$4.80.

Felix Crousse—Rich dazzling ruby red, none better mid season. Each, 65c; 3 for \$1.50; 12 for \$5.25.

Germain Bigot—Color lilac rose, center flecked crimson, a showy, mid season free bloomer. Each, 60c; 3 for \$1.50; parcel post paid. Not prepaid, each, 50c; 3 for \$1.30; 12 for \$4.80.

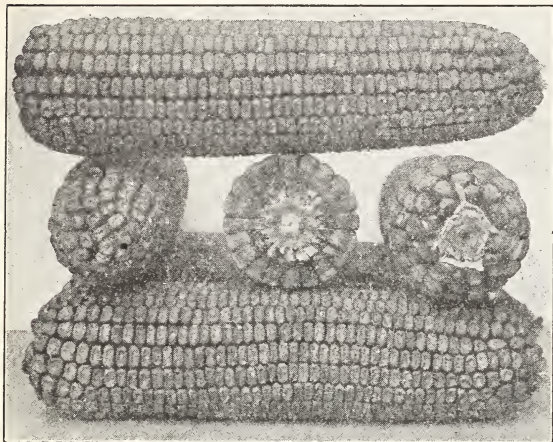
Pierre Reignoux—An even shade of Tyrian rose, center flecked Crimson, early mid season. Each, 50c; 3 for \$1.35; parcel post paid. Not prepaid, each, 40c; 3 for \$1.10; 12 for \$4.20.

Peonies to Color

All showy bulbs, with 3 good eyes:
 Double Crimson, each 35c; 12 for \$3.25; parcel post paid
 Double Pink, each 35c; 12 for 3.25; parcel post paid
 Double White, each 30c; 12 for 3.00; parcel post paid
 Not prepaid, each 25c; 12 for \$2.75.

Russell-Heckle's FIELD SEED CORN

ONE OF OUR SPECIALTIES



Iowa's Silver Mine Corn

For the convenience and guidance of our customers we are putting all of the strictly Southern varieties in one group. We have made our descriptions as accurate as possible so as to be of the greatest assistance to our friends in making their selections.

EARLY and MEDIUM VARIETIES WHITE FIELD CORN

Boone County White—A large eared variety. Is especially adapted to Southern States. Requires from 100 to 120 days to mature. The ears are of large size, well proportioned, well rounded at butt and tip. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

Hickory King—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Matures in 110 days. A single grain will completely cover the cob of an ear broken in half. It yields good crops on light soils and is one of the most productive and profitable white varieties for planting in the South. Qt., 35c; gal., 95c; parcel post paid. Not prepaid, qt., 25c; gal., 70c.

Iowa Silver Mine—The stalks grow to a height of 7 to 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make 62 pounds of corn. It is entirely distinct and will give satisfaction. Matures in 100 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 25c; gal., 50c.

Russell-Heckle's Early White Dent—One of the earliest. Planted on or about April 1st, it will be ready to gather by July 1. Will absolutely make in 90 to 95 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

Snow Flake—Large size, very early a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

St. Charles White, Red Cob—A large medium, tall-growing variety, producing an abundance of fodder. The ears are very large, both in length and circumference. The grains are long, broad, deep and firmly set in a medium large red cob. Matures in about 100 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

Tait's Early White Dent—The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

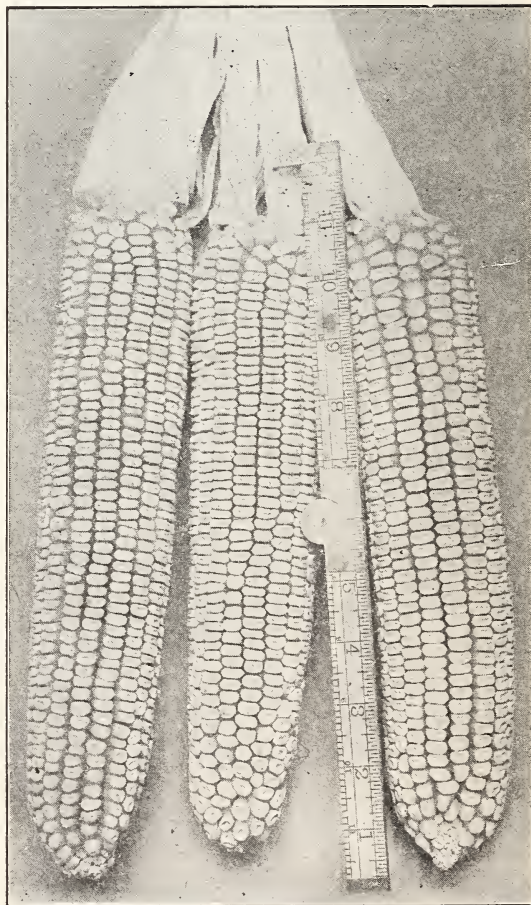
Prices—On account of catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices on Field Seed Corns. For current prices see Special Green Ink Price Sheet enclosed.

Our years of experience on the farm as well as in the seed business has taught us the great importance of planting only the very best seed corn obtainable. When we take into consideration the fact that one bushel of good seed corn will plant eight to ten acres, the difference in cost of poor seed and good seed is so little that it should not be seriously considered.

Our men have made a study of growing and selecting corn for seed purposes. They know their business and you can depend upon their judgment as thousands of other good farmers are doing almost every year. Some of the largest farmers in the South depend upon our stocks entirely for their seed supply.

With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements.

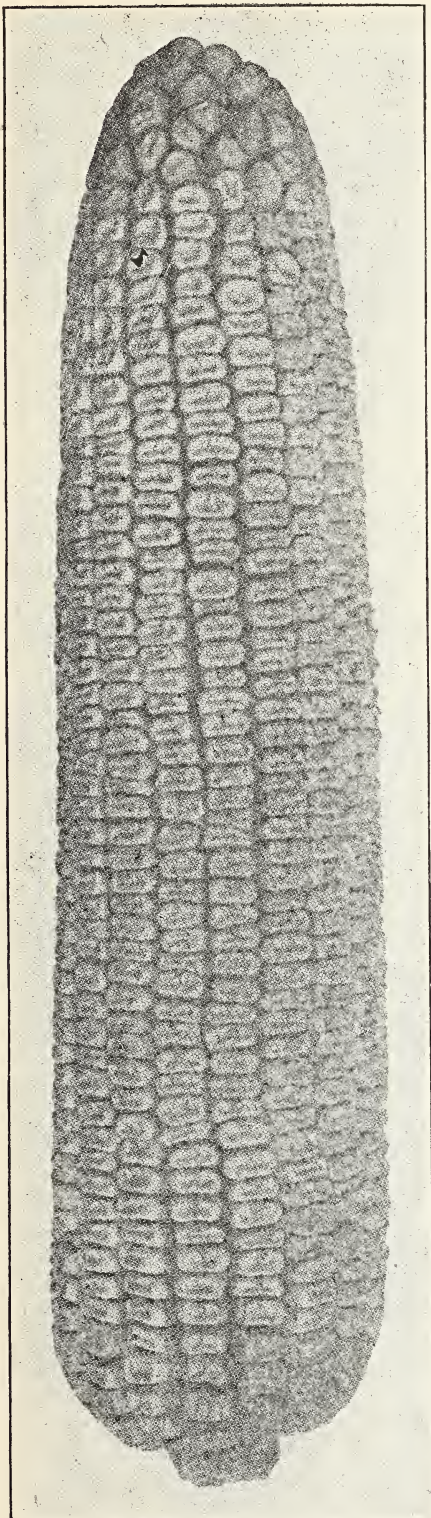
We have found that as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.



Boone County White

Prolific Southern Grown Varieties

WHITE FIELD CORN



Mosby's Prolific Corn

North Carolina—Our grower of this variety of corn lives in Shelby County, Tennessee; has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing through rain, storms and snow, and deteriorates less than any variety of corn grown today. While this variety has always been considered one of the best upland corns, we have many Delta planters who plant North Carolina year after year on bottom land, and tell us that they can leave it in the field until after Christmas and gather corn, every ear being sound. A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

Mosby's Prolific—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a Southern corn, and is recommended for general crop. Matures in about 125 days. It is purely white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears of medium size. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

Cocke's Prolific—This variety holds the highest record, and will in the near future break its own—50, 75 and 100 bushels per acre. This small corn has two to five perfectly formed ears with a peculiar droop so dear to scientific corn growers. It has a low, stout stalk, medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

WHICH SOURCE OF NITRAGIN IS BEST?

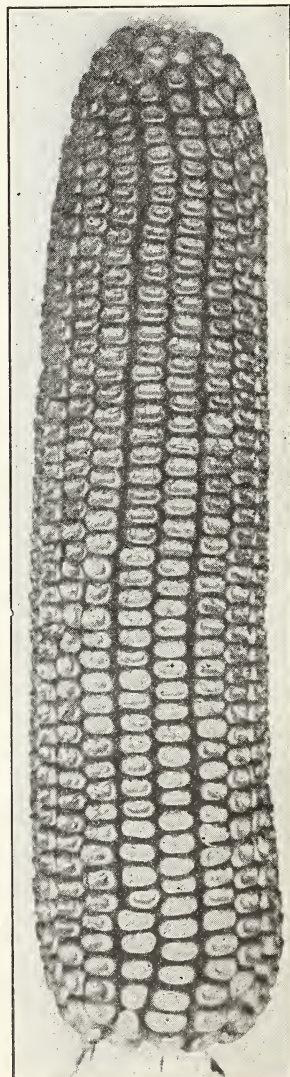
Ask for booklet on the value and proper use of

SULPHATE OF AMMONIA

By

Dr. Andrew M. Soule, President
of

Georgia State College
of Agriculture.



North Carolina Prolific

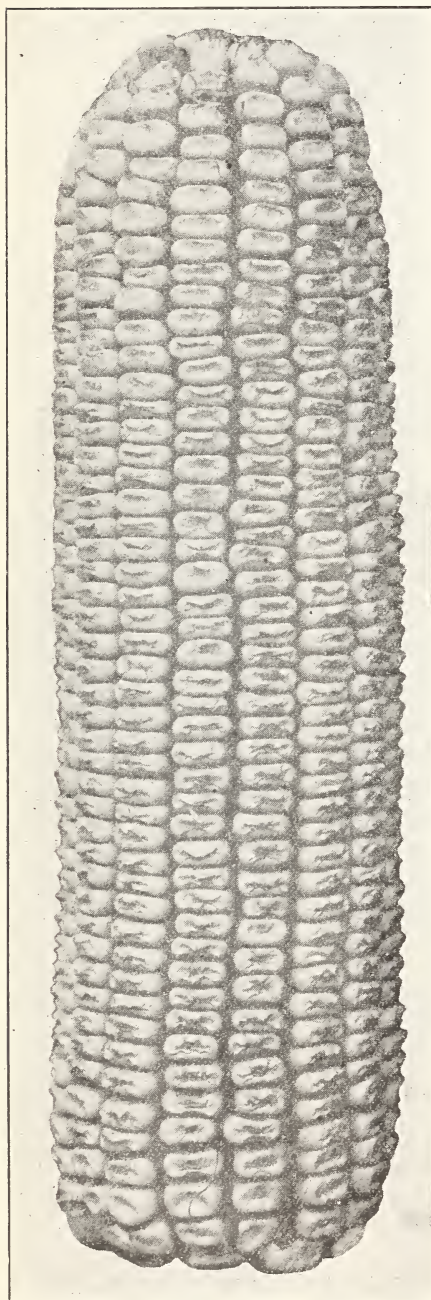
PRICES

Account catalog going to press before spring market has been established on seed corn, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet, enclosed.

Hasting's Prolific—Similar to North Carolina Prolific; pure white ears, always sound and produce two to four ears to a stalk. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

Russell-Heckle's FIELD SEED CORN

Southern Raised Large-Eared Field Corns



Mexican June Corn

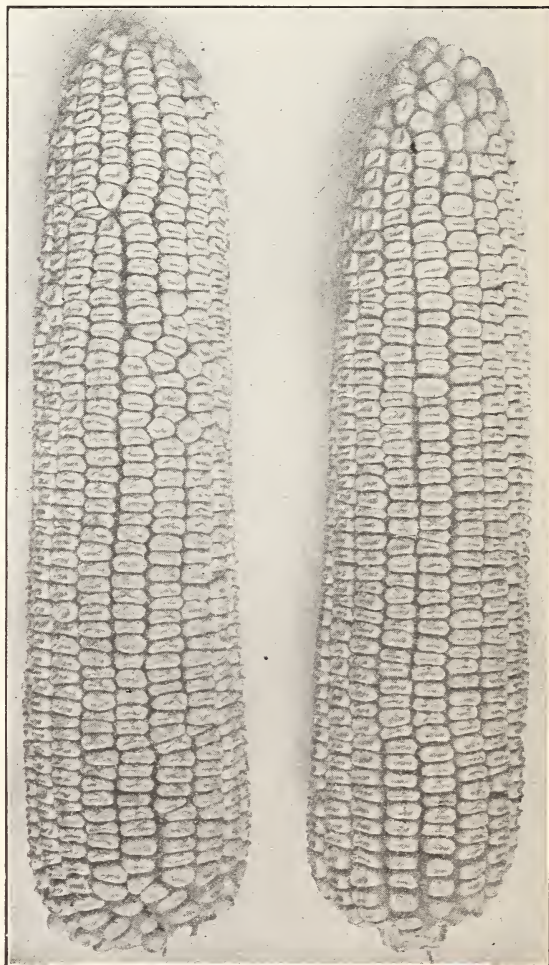
Mexican June— This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves four to six feet long. The roots run deep and spread, so that it is a splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture, of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

Russell-Heckle's Gourd Seed Red Cob— This is our own growing, a special stock; the pure white grains are narrow and nearly gourd seeds, and are set on a very small red cob; stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains that are always sound and plump. Stalks medium, strong and stocky. This special stock is a genuine thoroughbred and you will be delighted with your yield and crop. It will mature in about 100 days. We have taken extra pains in selecting and hand shelling this splendid variety. This corn is a beauty; don't miss it. Qt., 45c; gal., \$1.25; parcel post paid. Not prepaid, qt., 35c; gal., \$1.00.

Cultivate and fertilize the asparagus bed so that the crowns may develop properly during the summer and be able to produce a heavy crop of shoots next summer. Remember that the yield and quality of the asparagus depend largely upon the treatment given the asparagus this year.

Tennessee White Red Cob

A large, white, red cob corn. Ears medium size, 16 to 18-rowed; grains are very large, deep, wide and thick. Matures in 100 to 110 days. This corn makes fine meal. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

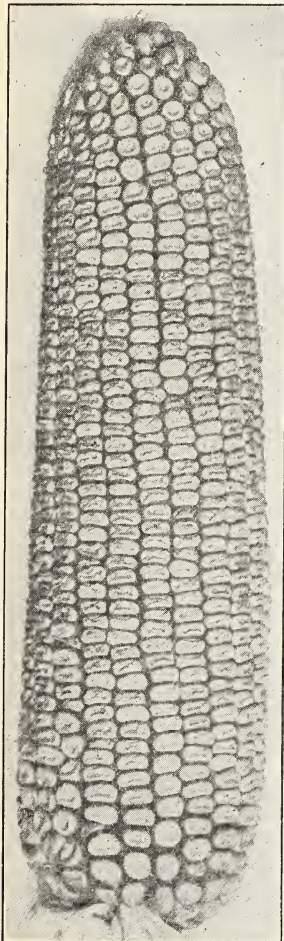


R-H Co.'s Paymaster Corn

R.-H. Co.'s Paymaster— This corn was originated in Williamson County, Tennessee. The grains are pure white, deep, broad and set very solid on a red cob of medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound to 1½ pounds. This is a highly bred corn, containing a high percentage of protein. Maturing about medium, it is well filled at both butts and tip. Every stalk bears two well-developed ears. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid, qt., 25c; gal., 75c.

Russell-Heckle's FIELD SEED CORN

FINE VARIETIES OF YELLOW FIELD CORN



Reid's Early Yellow Dent

Iowa Gold Mine—Large ears; grains are a bright golden yellow; matures in about 100 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

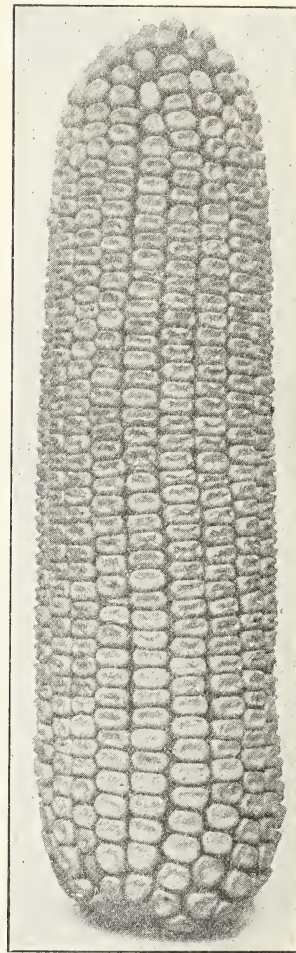
Yellow Leaming—A very early growing corn; matures in about 90 days; always dries out quickly, therefore, a desirable variety for early crop. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

Mortgage Lifter—A large-eared variety of yellow corn. Matures medium early, about 95 days; a big yielder. The ears are well filled with bright yellow grains of fair size. Qt., 35c; gal., 75c; parcel post paid. Not prepaid, qt., 25c; gal., 50c.

Mammoth Tennessee Yellow Dent—The ears are of perfect shape with from 10 to 14 straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. Matures in about 110 days. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm in the ear and in every respect as perfect a type as could possibly be had. Qt., 35c; gal., 75c; parcel post paid. Not prepaid, qt., 25c; gal., 50c.

Reid's Early Yellow Dent—This is a leading standard yellow variety, originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. We offer fine stock of this leading standard variety, which is among the best all around purpose Yellow Dent Corn grown. Color, deep yellow, with lighter cap. Grain very deep, closely packed; butts and tips almost entirely covered over. The leaves and stalks of Reid's Yellow Dent make fine ensilage and fodder. Matures in 90 days. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.

R.-H. Co.'s 90-Day Early Yellow Dent—A standard variety; quick maturing. Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c.



Yellow Leaming

NEW BRAZILIAN, OR STOOLING FLOUR CORN

This corn, as the name indicates, is inclined to stool, and one grain will produce, in many instances, more than one stalk. Each stalk bears 2 to 3 ears, 5 to 7 inches in circumference, 9 to 12 inches in length, and beautifully white. It produces an abundance of fodder, and is the best variety for ensilage. It yields 30 to 50 bushels of corn per acre, and the ears are fine for roasting although not sweet. It does not require a very rich soil and, therefore, the best variety for poor soils. The kernel is snow white and contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Qt., 55c; gal., \$1.50; parcel post paid. Not prepaid, qt., 45c; gal., \$1.25.

Prices—Account catalog going to press before spring market has been established on all Field Seed Corn, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

R.-H. CO.'S POPCORN

Borden's Improved Baby Rice—A new dwarf Rice Popcorn of unexcelled quality. Its crowning merit lies in its excellent popping qualities, fine flavor, and absence of hull or shell. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; parcel post paid. Not prepaid, ½ lb., 20c; 1 lb., 40c; 5 lbs., \$1.75.

Borden's Improved Golden Rice—A pure yellow grained rice popcorn, pops crisp and large. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; parcel post paid. Not prepaid, ½ lb., 15c; 1 lb., 30c; 5 lbs., \$1.25.

Japanese Rice—Also known in some sections as Australian Hulless; its popping qualities unexcelled; quality crisp and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; parcel post paid. Not prepaid, ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

White Rice—Very easily popped, tender and white. Pkt., 10c; 1 lb., 25c; 10 lbs., \$1.75; parcel post paid. Not prepaid, 1 lb., 20c; 10 lbs., \$1.50.

Queen's Golden—A beautiful golden color; pops large, very crisp. Pkt., 15c; 1 lb., 25c; parcel post paid. Not prepaid, 1 lb., 20c; 5 lbs., 85c.



Pure Seeds Are Half the Battle

After you buy your seed, you spend the next six months in raising and gathering the crop—using all your energy and ability to make a go of it. It takes just as much time and work or a little more, to make a crop with poor seed as with good seed—but pure pedigreed seed will make a third to a half more cotton on the same amount of soil. You cannot expect seed to produce any better cotton than the crop from which they came. Can you afford not to plant pure seed?

Use Your Experiment Station

The various experiment stations have been trying out every known variety of cotton and every suggested method of cultivation for years. We do not have to rely on guesswork any longer for we can get reliable information, obtained by experts in cotton culture through the most careful and painstaking efforts year after year. What do the results from Experiment station teach us? First of all, that only pure bred cottonseed of the earliest maturity should be planted. Why? Because only the earliest maturing cotton will make a crop in a boll weevil year, or when we have an early killing frost.

The weevil did practically no damage at all in 1925 because of the extraordinary hot dry summer, but he is here and likely to break out in such numbers as to do terrific damage any time we get a moist May and June. The Army Worm is also likely to come back any year and the earliest maturing variety of cotton will suffer less from this pest than any other.

The Danger of "Gin-Run" Seed

We are all familiar with the fact that cottonseed "runs out," under ordinary farming conditions. This is due to mixing with other varieties on adjoining farms through the agency of bees carrying pollen; through planting all the seed saved rather than only from selected stalks of cotton; and through mixing at the gins. Regardless of how mixing occurs, the results are the same—a poor crop. Most assuredly it will pay you in dollars and cents to sell your old seed, and buy pure pedigreed, "bred-up" cottonseed.

The U. S. Department of Agriculture has determined through late tests that cottonseed becomes so badly mixed at public gins that it is usually profitable for the farmer who does not own his own gin to buy bred-up cottonseed, a pedigreed seed from a reliable source each year, selling to the oil mill the old seed.



Shape of This Plant and Number of Bolls Shows Effect of Careful Breeding by Experts

Why It Pays to Buy

Russell-Heckle's Pedigreed Cottonseed

A great many of us do not realize that the breeding, selecting, and improving of different types of cotton requires expert knowledge—knowledge which it takes years of hard work and expensive study to acquire. This is why bred-up, pedigreed seed costs a little more, but additional yields obtained from such seed prove pedigreed seeds are cheapest in the long run.

In selecting our planting seed for our many thousand customers we have covered most of the South. We buy from some of the best known seed breeders in the cotton belt, or where a breeder of a certain variety has only a limited production, and consequently asks exorbitant prices, we contract with reliable growers who furnish us seed grown from breeders' stocks. Our aim is to furnish our customers the highest grade of seed obtainable at prices that are within reason. To do this we import certain varieties from North Carolina, South Carolina, Arkansas, Mississippi, Oklahoma, Tennessee, etc. We allow no expense to hold us back—when we find a cotton that is making money for the man that grows it, we get it for our customers. Our customers must have the best before we are satisfied, and we invite you to join the legion of friends we have made in this way.

We Have No Axe to Grind

We are not selling just one variety and claiming that one to be the only cotton to plant. There is no single cotton that is the best for any and all conditions—one variety does best under some conditions and on some soils, while another variety pays better under different conditions. You get our unprejudiced opinion on all varieties. We carry in stock all of the thoroughly tried out standard varieties that experience has proven good, and we buy the purest strains of pedigreed stocks available of these different varieties.

Our Seed Tested for Germination

Our seeds are sound. About forty carloads of the seed we started out the season with are from the 1924 crop, year old seed. That crop is admitted to have been the prettiest seed saved in years. The balance of our seed is of the new crop, produced in sections where the rains did not start so early, and our seeds were saved before the bad weather set in. This is of utmost importance to every planter, but in addition we have made numbers of germination tests since so that we may KNOW the seeds we sell to our customers are sound.

Prices are Reasonable

The additional cost of our pedigreed seed is very little more than you would have to pay for seed ginned on a public gin—about sixty cents per acre. It just takes two pounds of lint cotton to make this back. Most likely you can expect fifty to one hundred pounds more lint per acre from your pedigreed seed.

Sixty cents per acre is too little an amount to stand between you and opportunity to make a REAL PROFIT this year and every year.

Quotations named on any amount of any variety at any time.

Watch Your Step

Examine at once the seed you have saved, so you won't be caught at planting time with no seed fit to plant. The biggest majority of the seed saved last fall in the entire Memphis territory is worthless for planting purposes. Why? Because the rains started in late September and continued through October. This caused much of the cotton to sprout in the bolls and injured germination powers of all the seed probably fifty percent. Such seed is, of course, unfit for planting. It would pay you to send a good sized sample to a chemical laboratory for a germination test. Don't wait until planting time to do this, but do it now, so you will know in time if your seeds are good or bad. This is very important to you.

Notice

Carload Buyers

Whenever you are in the market for a carload of any variety, telephone or telegraph us for special carload price, delivered to your station.

We are the largest carload shippers of pedigreed planting cottonseed anywhere in our territory. For instance, in one season we sold to one of our customers planting seed valued above \$50,000.00. We have sold the same customers for four years previous and we will sell them again this year. There's a reason for this.

EXTRA EARLY MEDIUM BOLL VARIETIES

King's Early Improved—If a farmer finds it necessary to replant his cotton crop in May, there is no variety that will equal King's Early Improved for planting late. It is undoubtedly one of the earliest cottons grown, and has pulled many a farmer "out of the hole" where any other variety would have failed.

King's Early Improved is a very prolific cotton and on new ground we have seen some remarkable yields. Originally the boll was very small but breeding has developed this into a medium sized boll, and the turnout at the gin is about 36%, which is very, very good. Staple about $\frac{7}{8}$ inches.

Our King's Early Improved is grown for us each year in the Northernmost part of the cotton belt in North Carolina. We have found that this particular variety gives earlier maturity than seed grown further south, and earliness comes first of all.

Station Trice 27-241—This is the strain that has made such a record at the Mississippi Experiment Station, heading the list in lint production per acre in practically all tests in 1923. That was a boll weevil year and only the fastest maturing cottons could make such a record—there is nothing earlier than Station Trice 27-241 that we know of.

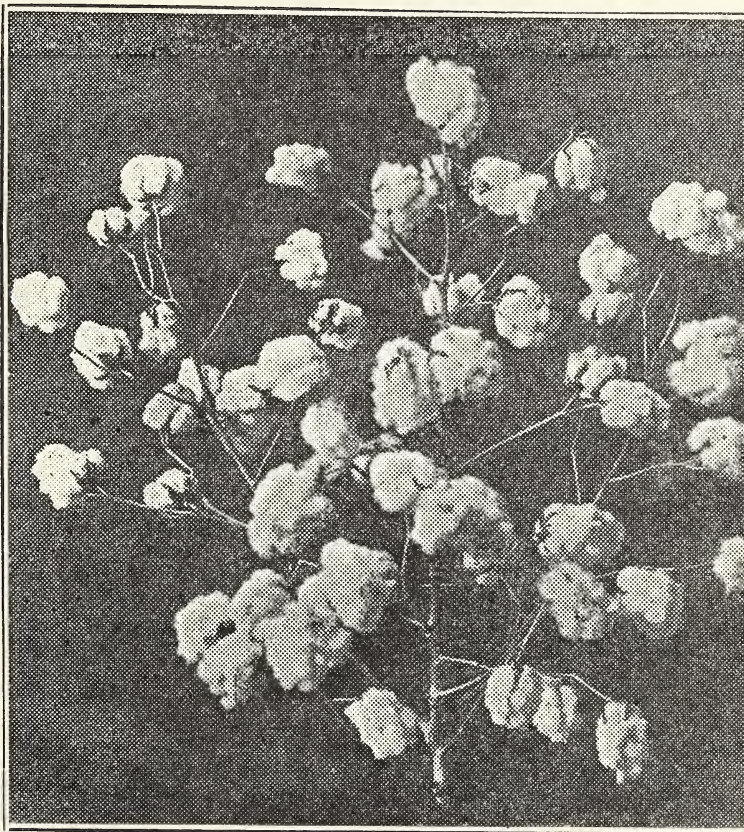
Station Trice 27-241 pulls a commercial $1\frac{1}{8}$ inches on good land. The plant is not large, the foliage light, letting the sun get in to the bolls. The bolls are medium sized, easy to pick, about 32% out turn at the gin.

In a boll weevil year, or in the Northern part of the cotton belt where frosts come early, Station Trice 27-241 will be at its best because it sets its fruit so extremely early, and will produce more cotton at the first picking than any variety we know of.

Wannamaker Cleveland

This is probably the best known of all the early maturing short cottons on the market today. It is the result of years of breeding work on the part of W. W. Wannamaker & Sons over in the Carolinas, this firm being one of the foremost cotton seed breeders in the South. They took the old Cleveland cotton to begin with, and through "plant to row" breeding methods for several years, produced a strain very much earlier in maturity than the parent plant, which is what they desired, for they wanted a cotton "to beat the boll weevil." The cotton has not quite so big a boll as the original Cleveland, nor quite so long a staple; however, it classes as a big boll type and staple runs from 1 inch to $1\frac{1}{8}$ inch in length. It combines the three most desirable characteristics in a cotton for boll weevil conditions and elsewhere—extreme earliness of maturity, extra large lint-out-turn at gin, and prolific yield in the field. It comes nearer thriving under any and all conditions than any other variety we know of, and is recommended by the different Experiment Stations for both hill and valley lands. Seeds are straight, brownish color, bolls are large, plants uniform, foliage medium, lint percentage 39, staple 1 to $1\frac{1}{8}$ inches. Yields of two bales per acre have been made in many cases with Pedigreed Wannamaker Cleveland.

Year in and year out we have watched Wannamaker Cleveland cotton and we have reached the conclusion this is undoubtedly the best of all the short cottons. You are surer of a crop from this cotton than from any other short variety and usually a much bigger crop.



Wannamaker Cleveland

Half and Half

The most roundly "cussed and discussed" cotton ever developed, the principal objection being that the lint is so very short, it is often spoken of slightly, as "rabbit hair." In spite of this, there are sections of the South where nothing but Half and Half has been grown for years. The reason for its popularity in such places is that it turns out more lint at the gin than any other variety, running from 40 to 45%; 1,200 pounds of seed cotton will produce a bale of 480 to 540 pounds, which is most remarkable.

The lint is not popular with cotton mills because it is so short and rather brittle, but considering its lint out-turn, its earliness of maturity, ease of picking and yield in field, it is easy to see why so many farmers insist on our furnishing it every year. They tell us that they generally get the same price for Half and Half cotton that other short cottons bring, and that even if they don't get quite so good a price per pound, they still make more money with Half and Half because of getting more lint per acre than with any other cotton.

For many years we did not list Half and Half Cotton in our catalog because we felt that the lint would bring so much less than other cottons the grower of Half and Half would lose money. Now that so many country cotton buyers pay the same price for this variety as for longer staples the same objection does not apply, and so many of our farmer friends have come to us asking that we get for them some Half and Half cottonseed, so they could be sure of obtaining the genuine, we finally decided to list it, purchasing the same carefully selected seed stocks as in our other standard varieties.

A PLEASED CUSTOMER

David A. May, Auvergne, Ark., writes to Mr. Geo. G. Becker, Chief Inspector, Little Rock, Ark.: Regarding Cottonseed ordered from Russell-Heckle Seed Co., Memphis, Tenn., as to their germination will say the stand was excellent and they were the best I have had in four years.

Russell-Heckle Seed Co.

Your garden seeds I ordered last spring were the best I ever put under the sod.

Era E. Moore, Hunter, Ark.

EXTRA EARLY BIG BOLL VARIETIES

Acala No. 5—Was brought to this country from Mexico by the Government in 1904. It was carefully bred by the department. It has a distinct type and distinct advantages all its own. Some of the best crops of cotton raised in the Memphis territory for the past three or four years, have come from Russell-Heckle's Seed Co. Acala No. 5.

Extra earliness is necessary where the boll weevil is present. Acala No. 5 is extra early, earlier even than Wannamaker Cleveland. Acala No. 5 has a staple of usually $1\frac{1}{8}$ inches, with the strongest, toughest fibre, which brings a premium in price every time over ordinary short cottons. Its turnout at the gin is truly remarkable for this length of staple running from 37 to 40%; 1250 lb. of seed cotton often makes a 500 lb. bale.

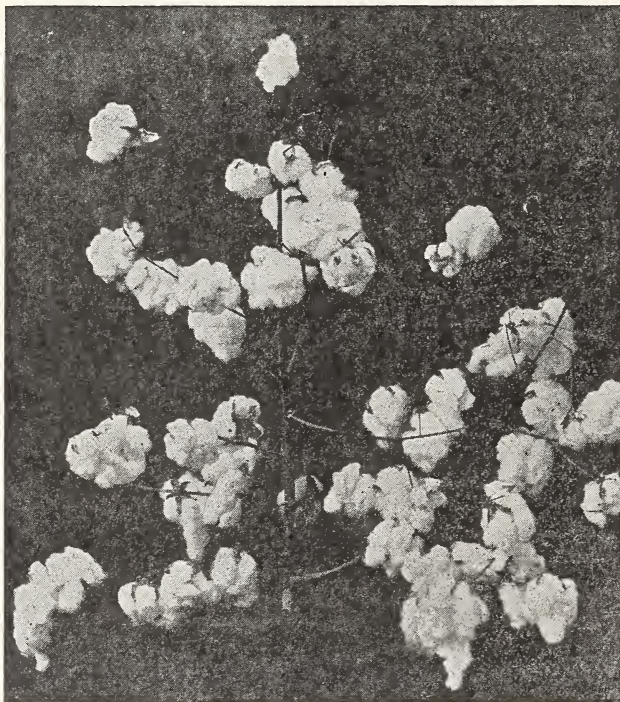
Acala No. 5 has a large boll, and is very easily picked, yet is absolutely storm proof—you know how important that is. Its foliage is light to medium, allowing the sunlight to reach all the branches and mature all bolls.

The United States Department of Agriculture has issued a bulletin on this wonderful variety and among other things they state, "it meets a distinct agricultural need in maturing somewhat earlier than Lone Star or other big boll cottons. Its earliness in these sections makes it especially adapted to the bottom lands, where cotton tends to grow rank and be late in maturing, and on the more northern highlands where frost shortens the growing season. It is particularly noted also for a good drag and the extra strength of its fibre."

A cotton buyer in Arkansas reports that Acala No. 5 cotton brought as high as \$32.00 per bale above ordinary short cotton during 1922. Yet Acala No. 5 makes as much or more cotton in the field and a bigger turnout at the gin than the ordinary cotton.

The summer of 1924, was exceedingly dry, some sections getting no rain for seven to eleven weeks. Acala No. 5 stood this long drought and made yields from one-half to three quarters bale per acre when other varieties were running less than a fourth bale.

Acala No. 5 is a "sure crop" cotton in a weevil year or dry year. Play the game safe and plant some of this remarkable variety.



Acala No. 5 Cotton

Produced three-fourths bale per acre under boll weevil conditions. Lint $1\frac{1}{8}$ inch flat, with good drag and extra strong.

Lone Star-65—For several years there has been an increased demand for a tough-fibre-cotton of medium staple; something between the ordinary short varieties and long staples. Lone Star-65 is ideal in this respect; pulls from $1\frac{1}{8}$ to $1\frac{1}{2}$ inches, has a strong, tough fibre, storm-proof and makes a good "bender" cotton, bringing good premium in price. Extra large boll, easy to pick, drought resistant, lint out-turn at gin 32 to 34 per cent, the earliest of the extra big boll cottons.

Lone Star-65 in all Delta tests, 1920 to 1924, had average rank of fifth, and was the leader of all the big boll cottons.

Salsbury—This cotton was bred from two well known varieties, Wannamaker-Cleveland and Express, and has been planted generally now three years, with especially good results in 1924. Salsbury cotton has a lint percentage almost equal to Wannamaker and the length of staple of Express, $1\frac{1}{8}$ inches; it is early in maturity and a heavy yielder in the field, a good variety for any section.

PRICES

On account of catalog going to press before market prices have been established, we are unable to give quotations on cottonseed on these pages. Write for current prices.

Other Varieties

We have listed and described only the most popular varieties in this catalog. There are, of course, many other varieties on the market, some with different characteristics, some with merely different names. If you want a variety that you do not see listed, write us its name, and the number of bushels you want and we shall be glad to get it for you, probably for less money than you can buy it for elsewhere, of the same quality.

SULPHATE OF AMMONIA

used on your cotton crop will make a big increase in your yield. Ask for literature.

Extra Early Medium Staples

Lightning Express—This is the latest and best development from the original Express, and is the best strain yet produced, even superior to Express 350. The original Express had a very small long pointed boll, very difficult to pick. This has been very largely overcome in Lightning Express, though, of course, the boll is not as large as some of the short cottons. However, in quickness of maturity it proves it is entitled to the name it bears, which is most important in this day of boll weevil infestation, where slow growing cottons have no chance at all. The lint out-turn at the gin on Lightning Express runs about 30%, which is good considering the length of staple, $1\frac{1}{8}$ to $1\frac{1}{4}$ inches, and the premium in price it usually brings. Also the yield of seed cotton per acre is good enough to offset the difference in lint percentage. It does best, of course, on rich bottom land, but it has also done fairly well on good average soil. Lightning Express does not come all at once then stop making, but begins early and continues making right on through. This is quite an advantage, and a very desirable quality in a cotton. If you buy Russell-Heckle's Lightning Express you will get the genuine—plant nothing but the best.

Early Maturing Long Staples

Delfos 631—In many respects very similar to Delfos 6102, also described herein. Probably no other cottons ever developed have attracted the attention that these two Delfos cottons have throughout the Middle South. Unquestionably they represent the best yet developed in long staple cotton.

Delfos 631 grows more rank than Delfos 6102 and therefore, on extra strong soils is not so desirable. However on lighter soils it will have the advantage, because the bigger the stalk the more bolls it will carry.

Deltatype Webber—One of the most profitable extra long staple cottons; lint from $1\frac{1}{4}$ to $1\frac{1}{2}$ inches; matures as early as a great many short cottons. Bolls are large, averaging 61 to the pound, making picking easy, unusual in a cotton that long. The lint out-turn runs from 32 to 33 per cent; the lint is fine, silky and very strong. The originator says: "It is one of the highest yielding, most generally satisfactory varieties we have ever grown, especially adapted for cultivation under boll weevil conditions." Splendid yields and big prices have been reported to us by growers.

DELLOS 6102

A Long Staple, Yet Earlier Maturing Than Short Varieties, and More Prolific; has best Average of any Variety at the Delta Branch Experiment Station for the past Seven Years



"Delfos 6102" on Mississippi Delta Plantation in 1923—Boll weevil and army worm could not stop it.

Before we decided to feature Delfos 6102 in our catalog we investigated it thoroughly and knew what it could be depended on to do. The large majority of our customers, however, knew practically nothing about it, and many who bought did so merely on faith in this firm. It is therefore, very pleasing to us to be able to state that Delfos 6102 made good wherever the genuine seed were planted.

What is the reason for Delfos wonderful popularity? Well, was anything ever pleasanter than more money in your pockets? That is the answer—Delfos 6102 has uniformly made more money for the man who planted it than any other cotton, and it has done this right along for the past six years. When one variety of cotton leads the field for six years average then you may know it is no "flash in the pan," but a cotton that will pay you to plant, as it has paid so many others.

Delfos 6102 is a staple cotton $1\frac{1}{8}$ inches long, yet earlier in maturity than most every short cotton, making its crop before the weevil can destroy it. It is as prolific as the short cottons, and as easy to pick. When you add to this the fact that it usually brings a big premium over short cottons (\$25.00 per bale in 1924 and 1925) you can see why those who grew it once will continue to do so.

In 1923 we had a combination of unfavorable circumstances to combat in growing a cotton crop—the boll weevil, the army worm, and the very unfavorable weather throughout the season, all three being very destructive. This was a mighty big handicap to give a comparatively new cotton the first year it was given wide distribution but note this—in practically every case we know of where there was Delfos on one side of the road and another variety on the other, the field of Delfos made its owner the most money per acre, and in many cases actually made the biggest yield of cotton per acre. This was true even where the weevil was thickest.

Delfos 6102 has very light foliage, the sunlight can get all through the plant, bringing out a most wonderful quantity of blooms, and setting more forms up to August 1st than the weevil can destroy. It is therefore adapted to closer spacing than possible with more rank varieties. It has done well over a wide range of territory, particularly on rich Delta soils. But note what the Delta Branch Experiment Station (Mississippi) says about it in Bulletin 215 January, 1923—

"Due to its earliness, prolificacy, open type and dwarfness, Delfos 6102 is especially adapted to new or other rich land. This does not mean, however, that it is not good for general planting. It has made good on all types of soil. Except on wilt infected soil and probably on extremely thin unfertilized soil there is probably not a higher lint producer in existence and certainly there is no better producer in the staple class."

That is mighty fine, isn't it, after Delfos has been bred, tested and observed there for ten years? As to very thin soil, it is foolish to try to grow any cotton on such soil without fertilizer—use fertilizer and Delfos 6102 will yield there as it does everywhere else. As to wilt infected soil, there is not very much of it in our territory, particularly in the Delta sections.

Description—very dwarf, widely pyramidal, leaves very small, foliage very sparse, fruit limbs very long for size of plant, very few basal and vegetative branches; bolls 75 to 80 to pound, length of staple, $1\frac{1}{8}$ inches to $1\frac{1}{4}$ inches, of very good quality under normal conditions—note the lint percentage, 31 to 32%. 1,600 lb. seed cotton making a 500 lb. bale.

If you buy Russell-Heckle's Delfos 6102 you will get the genuine. Don't sacrifice your chance for a "big crop of cotton" by buying seed from some unknown dealer or grower.

MAKE MORE MONEY WITH OUR SEED

HUNDREDS of our customers have been doing this each year, and so can you. Plant our pedigreed cottonseed of the variety best suited to your needs. Such stock will bring you a bigger crop every time than you can possibly get from ordinary mixed seed ginned on a public gin. Sometimes a gain of one hundred per cent in favor of pedigreed seed has been made, and time and again gains of twenty to thirty per cent have been made. Remember, a gain of just twenty pounds lint per acre means \$5.50 more money per acre to you with cotton at 27½c per pound.

But that is not all—when your neighbors who planted common seed see how much better your crop is, they will pay you double the oil mill price for your seed so they can get better yields themselves.

Now then, when you can raise more cotton per acre; when you can get a better price for your cotton because, the seed being pure produces a more uniform, more desirable cotton; when you can sell the seed for more money—can you afford to plant mixed gin run seed? You cannot. You can much better afford to buy pedigreed seed from us each year so you can be assured of the biggest crop possible each year, so you can make the most money possible off of each acre you plant in cotton.

We could tell you of hundreds of our customers who have come in to tell us or have written us of the bigger yields they made with our seeds. For instance, a big Memphis cotton firm has a farm in Arkansas on which

after some persuasion, they planted our Acala No. 5 cotton seed in 1922. On 22½ acres in one plot they picked 28 bales. They ordered more of the same seed from us the next year and for 1926 planting have bought a full carload. We have customers who buy regularly from us every year, some every two years, because it pays them.

This is the year to begin.

"Fouke, Ark., Dec. 20, '24.

Russell-Heckle Seed Co.,

Memphis, Tenn.

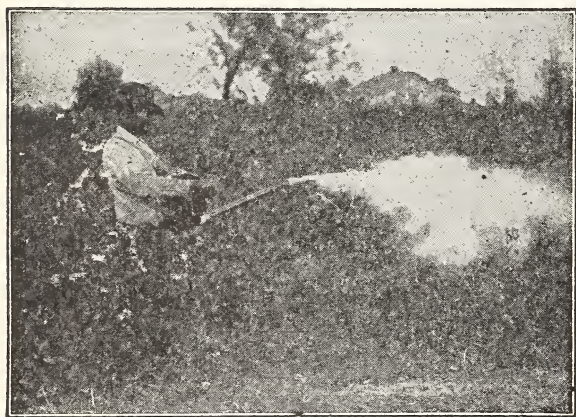
Kind Sirs:

Please send me your catalogue and price list for 1925, as I wish to order my seed early this year. I ordered a few seed from you last year of the Acala No. 5 cotton, got good results and want more of same this year. Also want an early corn for this year.

Yours very truly,

"DR. M. V. NEWMAN.

P. S.—Is there any difference in the staple of Acala No. 5? I had one man who planted Acala No. 5 as he claimed but was not so good as mine which I bought of you. If any difference I want the best."



Root Hand Gun ————— FOR DUSTING COTTON ————— Root Saddle Gun

Poisoning the Weevil

The U. S. Department of Agriculture, Boll Weevil Laboratory, continues to recommend Dry Powdered Calcium Arsenate Dusting of cotton as the only effective poison against the boll weevil—this after years of study and experiments on the subject. Below we quote briefly from U. S. Farmers Department Circular No. 274:

"It will pay to dust—

"If the weevils are really injuring your crop seriously, and

"If your land is sufficiently fertile to yield at least half bale per acre with weevil injury eliminated, and

"If your farming organization is such that you feel assured that the poison applications will be made at the right time and in the right manner, and

"If you are willing to spend the full amount necessary to provide an adequate supply of dusting machinery and poison.

"The general gains from weevil dusting under average, fairly favorable conditions, seem to be from 200 to 400 pounds of seed cotton per acre, but owing to variations in degree of weevil injury, it is not safe to expect much more than the lower figure."

Write to the U. S. Laboratory, Tallulah, La., for a complete copy of this bulletin, and then if you do poison, DO IT RIGHT OR NOT AT ALL.

Cotton Dusting Machines

Every year new types of cotton dusters are brought out. The first ones were not very successful, but gradually manufacturers have gained a clearer understanding of what is needed and this year we will be able to furnish you with at least one type of one-row hand duster and two-row mule back duster that can be depended on to do the work economically. We keep informed as to the best dusting machinery.

Write us any time after February 1st as to the best dusting machinery and we will be glad to send you descriptive circulars, etc. Be prepared to protect your cotton crop—don't let the weevils get it.

One of the most promising lines of cotton dusting machines is put out by the Root Mfg. Co., consisting of the Root Hand Gun, Root Saddle Gun and the Root Traction Duster. We show pictures of two of them above; all three have done splendid work. The Hand Gun, of course, is for the small farmer and will poison five or six acres per day. The Saddle Gun poisons two rows at a time, just as fast as a horse can walk and will poison about twelve acres per day. The Traction Duster is drawn by a horse and the operator walks; this poisons two rows at a time and in wet weather can be changed into a mule back saddle gun. All three of these machines have been tried out extensively, they are durable and with ordinary care should last several years.

Prepare for Battle!

With
Disease
and
Vermin

GERMO



Germo-Prepared is Well-Prepared

You are familiar with the lament, "there go my profits," when lice, diarrhoea, roup, cholera, and other infectious diseases make inroads upon the production of flocks. Such losses come from failing to safeguard the health of fowls and stock. Trying to cure the disease after it has taken hold is often too late. Prevention by Germo Products is the wiser way. But don't put it off. You need Germo Products now; everybody does; keep Germo Products on hand. See or write at once. We carry the full line.

MONEY-BACK GUARANTEE. You can't go wrong when you buy Germo Products. They carry a positive guarantee of satisfaction or money back.



GERMO PRODUCTS

Read about Germo Products on other pages of this Catalog

Cholerine

FOR FOWLS

Increase your profits by heading off your losses with Cholerine. Cholerine is positively in a class all to itself as a poultry tonic and vitality builder. It is an efficient preventive and cure, if the disease is not too far advanced, of cholera, roup, chicken pox, limberneck, white diarrhoea, and other infectious diseases. Cholerine tones up hens by keeping their digestive tracts cleaned out and in good order. This better condition gets you more eggs. The eggs hatch better because the hens have higher vitality. Cholerine comes in two forms: Liquid and Tablets. It is absolutely guaranteed when given according to directions. Cholerine is bought by the barrel in large poultry plants. It is also used by feeders and shippers. Take steps today to head off losses. Get some Cholerine.

Germo Magic Lice Killer

Lice, one of your worst enemies, die in companies, regiments, and armies, when you open up on them with this wonderful lice killer. Rightly named MAGIC. Prices below.

Prices

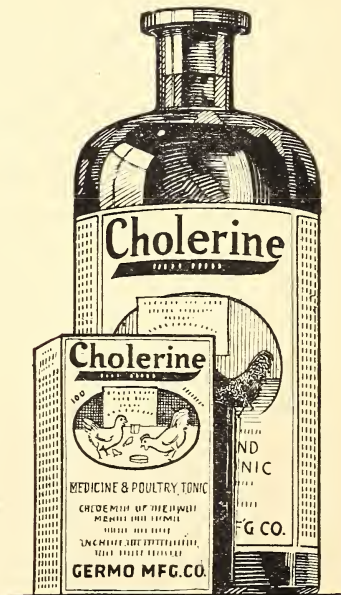
Cholerine, Liquid, 16 oz. size.....	\$0.65
“ Tablet, 50 to package.....	.65
“ Tablet, 100 to package.....	1.00
“ Liquid, quart size.....	1.00
“ Liquid, 1/2 gal. size.....	1.75
“ Liquid, gal. size.....	2.50
“ Tablets, enough for 1 gal. liquid.....	2.25
White Diarrhoea Tablets, 50 to package.....	.50
Magic Lice Killer, Powder, 1 lb.....	.25
“ “ “ Liquid, 1 qt.....	.50
“ “ “ Liquid, 1/2 gal.....	.75
“ “ “ Liquid, 1 gal.....	1.50

GUARANTEE:

We guarantee Cholerine to prevent and relieve all poultry disease when used according to our simple directions. We also guarantee that it will do everything else we claim for it. If it fails to do anything we say it will, we will refund your money without question or quibble. The manufacturer stands back of us. This also applies to all Germo Products as well as Cholerine.

Germo White Diarrhoea Tablets

Grief and disappointment can be prevented by preparing now against the awful loss of baby chicks. Germo White Diarrhoea Tablets are prepared especially for this purpose, and if used according to directions, you are bound to become an enthusiastic user. See prices below.



Other Germo Products—Look for them in this Catalog

Head Off Heavy Losses With

GERMO

Creosote Disinfectant Dip



When horses, cattle, hogs or sheep are attacked by disease, it means serious, rapid and heavy losses. Proper precaution and the use of Germo Creosote Disinfectant Dip will make you safe against such losses. Why take risks? Be prepared. Order Germo Dip today, under a positive guarantee of satisfaction or money back.

Germo Dip will protect horses, cattle, hogs, sheep, dogs and poultry. It is non-poisonous, and won't burn the skin or injure the hair or feathers. Germo Dip requires no boiling. It can be mixed with cold water, ready for immediate use. No fuss, no bother. Good for galls, cuts, most sores and flesh wounds. Destroys ticks, lice, certain mites, and most germs. Has many household uses.

Prices: Quart size, \$0.50; 1/2 gal., \$1.00; 1 gal., \$1.50.

Germo Fly-Shoo

What a comfort to be able to milk your cows in peace! Don't put up with being butted by the cow's tossing head, being switched in the eyes and having your feet tramped upon by a cow frantic with flies. For a few cents per week, you can milk in comfort. Get a can of Germo Fly-Shoo and a sprayer, shown in use herewith. You will never be without them. Positively guaranteed harmless to the cow. Won't blister or injure hair.

Prices: Germo Fly-Shoo, 1 quart, \$0.50; 1/2 gal., \$0.75; 1 gal., \$1.25.

Automatic Sprayer, best made, Quart Size.....\$1.25

Midjet Sprayer, a little dandy, Pint Size..... .40



HOUSEWIVES:—

See Next Page.

Rid Your House of Flies!

Banish Pestering Flies

FLY-NO-MORE

Kills Insects

Here's the way Fly-No-More does it. Just close the windows and doors. Blow from the mouth sprayer or the Midget Sprayer, a fine spray into the air. Then watch Mr. Fly and his disgusting tribe gather at the windows and drop dead. Simple. isn't it? And oh! what a relief after the flies are killed!

Moths, roaches, ants, fleas, mosquitoes and bed-bugs don't stand any better chance against this merciless insect exterminator. It is harmless to other kind of life, but sure death to the whole pestering tribe of insects. Banish the dangerous, filthy, disease-carrying army. Science says that insects are on the increase. Only by a determined fight can human life stand its own against them. Arm yourself for the fight today.



Prices

16 Ounce Size.....	\$0.65
Quart Size.....	1.00
1/2 gal. Size.....	1.75
1 gal. Size.....	2.50

Mouth spray free with each 16 oz.
and quart bottle

Still Other Germo Products

Germa Carboline Disinfectant

For general use in the home, sick room, schools, barn, etc. This is a sure-fire germ killer that gets them all if you will get it to them. It is a coal tar product having a guaranteed strength of from two to three times the germ-killing strength of carbolic acid.

PRICES

6 ounce bottle.....	\$0.25
16 ounce bottle.....	.50
1 quart can.....	.75
1/2 gallon can.....	1.00
1 gallon can.....	1.50

Germa Roach Powder

A powerful and effective powdered insecticide which will positively eliminate roaches, waterbugs and similar insects from the home.

PRICES

1/4 pound can.....	\$0.25
1/2 pound can.....	.50
1 pound can.....	1.00

“An Ounce of Prevention Worth a Pound of Cure”—an old but very true saying, that means Germa



DOES FERTILIZING COTTON PAY?

In answering the above question we would say "Yes" nine hundred and ninety-nine times out of a thousand for the soils which will not respond to fertilizer are few and far between.

Of course, no one form of fertilizer is best for all soils as no one feed is best for all classes of livestock. The state and federal governments have established experiment stations all over the country to find out just what is needed on each type of soil in each locality. The information which these experiment stations have imparted to the farmers has been worth untold millions to this country.

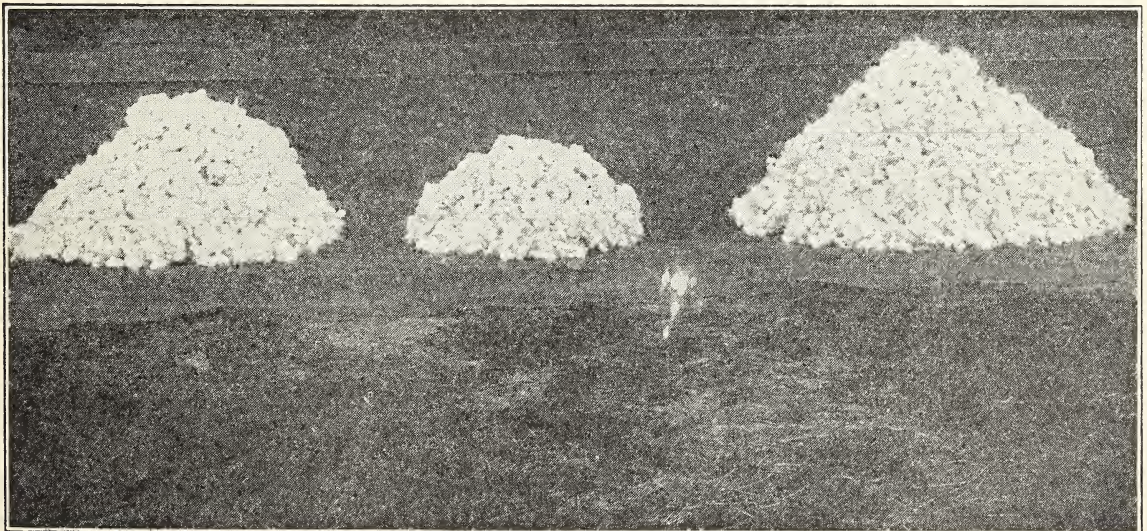
As an example we will cite the Mississippi Delta. The farmers in the Delta realized that their lands needed fertilizer and were using complete fertilizers until it was proven that nitrogen was the only element of plant food lacking in their soils, there being enough potash and phosphoric acid already there to last several generations. The pictures which we are reproducing on this page were furnished us by The Delta Branch Experiment Station at Stoneville, Mississippi. It shows very conclusively that the proper fertilizer, which in this instance was Nitrate of Soda, does pay.

Where no fertilizer was used the yield was 220 pounds of seed cotton, where 150 pounds of Nitrate of Soda per acre was used the yield was 714 pounds, where 200 pounds of Nitrate of Soda was used the yield was 946 pounds. The cost of the Nitrate of Soda is usually around $3\frac{1}{4}$ cents per pound, seed cotton is worth approximately three times this price so it does not take much figuring to see that fertilizer did pay handsomely in this instance.

In the uplands it has been found that in most cases Nitrogen and Phosphoric Acid are both needed. Usually 100 pounds of Nitrate of Soda to 200 pounds of Acid Phosphate is the proportion used, applying 400 to 500 pounds of the mixture to the acre.

We realize that the growing of leguminous crops, such as Clovers, Cow Peas, Soy Beans, etc., is the cheapest way to put nitrogen into the soil and advocate the growing of these crops as much as possible, at the same time many farmers are not situated so they can conveniently grow these crops and there is no question but what fertilizer will pay and pay them handsomely.

See Page 56 for description of our fertilizers.



Using 150 lbs. Nitrate of Soda
per acre—
714 lbs. Seed Cotton

Using no fertilizer
at all—
220 lbs. Seed Cotton

Using 200 lbs. Nitrate of Soda
Per acre—
946 lbs. Seed Cotton

RUSSELL-HECKLE'S CLOVER SEEDS

Selected with Care

We believe that few seedsmen give as close attention as we do to the quality of the farm seeds they handle. So much depends on the seed the farmer plants that it should be the aim of every seedsmen to furnish the **BEST FARM SEEDS THAT CAN BE PRODUCED.**

The prices quoted on all farm seeds are based on market values at the time of going to press. Values may advance or decline, according to market. We are often able to make material reduction during Winter and Spring to purchasers in large lots. We invite correspondence.

ALFALFA OR LUCERNE



The Giant Agricultural Clover—King of All Crops. Yields two to three tons per acre each cutting, three to four crops per year. A wonderful plant that has turned the great West into

a paradise of wealth, and it will do nearly as well in our Southland. It grows successfully in every state in this Union, and is adding millions of wealth every year to the farmers. Produces more valuable feed to the acre than any other forage plant on earth. It has many points of excellence that commend it to every wide-awake farmer. It has great feeding value, containing as much protein as wheat bran. It is a wonderful soil enricher; splendid, valuable feed for hogs. The United States Department of Agriculture says:

"In addition to the hay and seed crop, Alfalfa adds \$100 to the value of every acre on which it grows." There is no state in the Union in which Alfalfa cannot be successfully grown. Alfalfa produces three to eight tons per acre. Three hundred stalks have been grown from one seed. It does not exhaust the soil, but enriches it equal to clover. It can be ground into meal and hundreds of carloads are being ground every week by alfalfa mills to feed cattle, hogs, horses and poultry. Alfalfa in money value is worth 45 per cent more than other clovers and 60 per cent more than timothy. It would hardly be possible to say too much about Alfalfa. It is a working plant which is changing the destiny of many farming sections.

Its long branching roots penetrate far down into the earth, push and crowd this way and that and thus constitute a gigantic subsoiler. These become an immense magazine of fertility to be drawn upon by other crops for many years after.

A Few Hints on Alfalfa—The presence of lime in some form, either in the soil or subsoil, is essential. If it is known there is no lime in the soil, lime should be applied as a top dressing, when the land is being plowed preparatory to sowing the seed. **GOOD DRAINAGE IS NECESSARY**, for an excess of surface water rots out the roots.

The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the fall, September and October, are successful.

INOCULATION. Be sure to inoculate the seed with either Mulford culture or Nitragin, complete directions sent with these cultures.

FERTILIZING. Use 1,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 400 pounds of Pulverized Sheep Manure to the acre, broadcast. It stimulates it wonderfully.

When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Burr Clover, Dodder, etc. We have several varieties of the very best, cleanest grade seed that is grown.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



R.-H. Co.'s Dakota No. 12 Alfalfa

R.-H. Co.'s Dakota No. 12 Alfalfa—This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to Winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. Lb., 45c; parcel post paid.

R.-H. Co.'s Top Notch Alfalfa—This represents our idea of real quality and genuine worth in Alfalfa—something to meet all requirements of our most discriminating customers. Lb., 40c; parcel post paid.

Grimm Alfalfa—It has been found that the Grimm Alfalfa has proven itself harder and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variation of temperature much better. Sow ten pounds to the acre. Lb., 70c; parcel post paid.

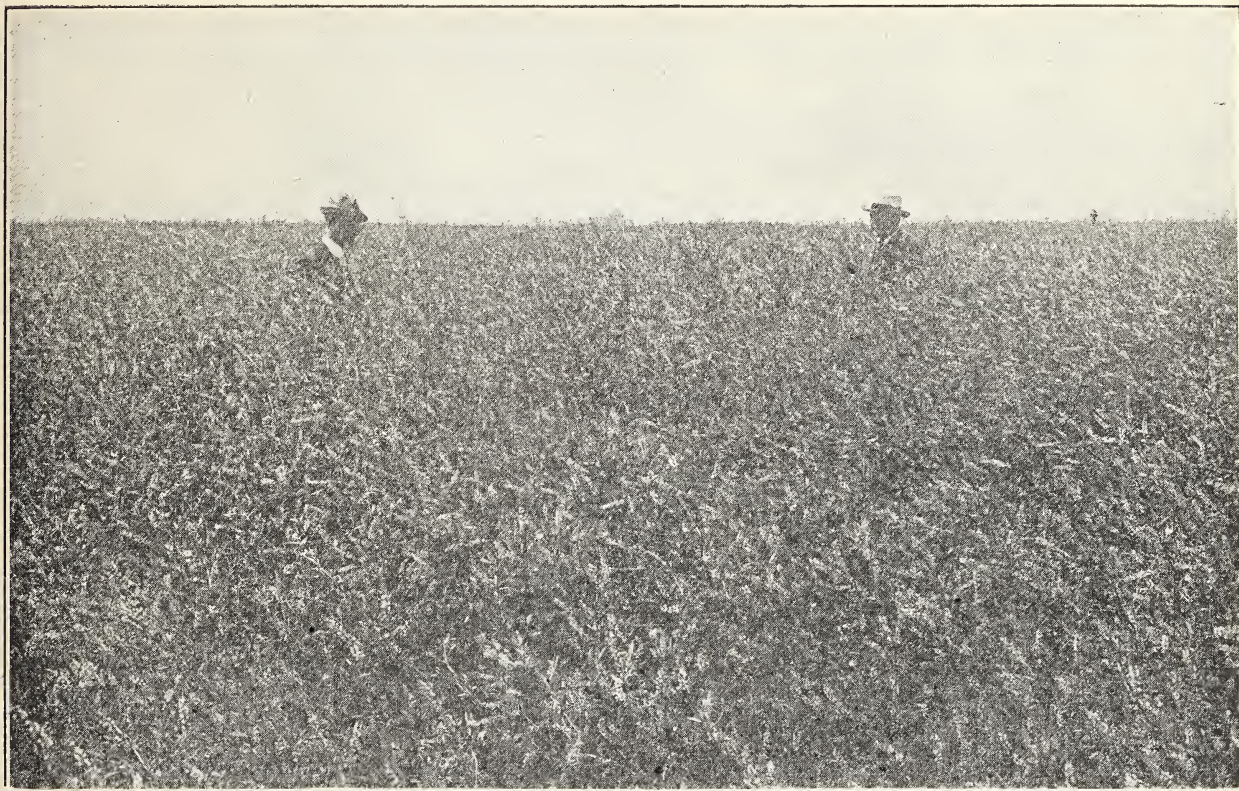
Hairy Peruvian Alfalfa—A very remarkable type, being extremely hardy and stays green longer than any other kinds for the fact that it takes on a slight fuzz in the winter which protects the plant. On account of its hardness, it has a longer season, therefore, produces more hay to the acre than any other Alfalfa. Sown in the spring or fall broadcast, 20 lbs. to the acre. Price: 1 lb., 50c; parcel post paid.

Lespedeza or Japan Clover—is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage much relished by all stock. On stony hillsides or waste lands it will grow well, also on wet or low lands. It is a great crop and the wise planter will sow some no matter what the price. It should be planted at the rate

of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like. If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. It thrives on very poor soils and continually improves them, at the same time yielding a highly profitable and nutritious forage. It will yield as high as four tons to the acre and frequently more. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. We offer re-cleaned pan caught seed, 1 lb., 50c; parcel post paid.

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

RUSSELL-HECKLE'S CLOVER SEEDS



White Sweet Clover—(Courtesy Extension Dept. International Harvester Co.)

White Sweet Clover or Melilotus Scarified Seed



As a land-builder it has few equals. It resembles Alfalfa both as to appearance and habit of growth when young, however, it grows much larger than Alfalfa, often 4 to 6 feet high. It is valuable in the bringing up of old, waste and worn out soils and thrives well, even on extremely poor soil. If plowed under it adds humus and nitrogen to the soil, or if simply left to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land.

This is what one of our good customers wrote about Melilotus Alba or White Blossom Sweet Clover:

Russell-Heckle Seed Co.,
Memphis, Tenn.

Dahomey, Miss., June 6, 1925.

Gentlemen:

Melilotus Alba or White Blossom Sweet Clover is the best plant for use as a fertilizer that can be found, except on land that is deficient in lime. On land deficient in lime, beans or peas should be grown. After two years in Melilotus White Blossom Sweet Clover it will increase the yield in corn or cotton fifty percent.

It makes as good hay the first year as Alfalfa; the second year the stem is a little coarse the first cutting but the second cutting is fine. We have planted it for six years and we find that it makes as good hay as any other plant and it stands pre-eminent above any other plant as a fertilizer.

Very truly,
E. S. Kingsbury.

The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, about equal to Alfalfa. Valuable as a pasture and in spite of its bitter taste, stock soon learn to like it. Sow early in the spring or fall at the rate of 15 to 25 lbs. per acre. Lb., hulled and scarified seed, 40c; parcel post paid.

Hubam Clover—A fast growing annual white sweet clover, reaches 4 to 10 feet in height from three to six months after planting. Yields six times that of Red Clover. Under ordinary conditions Hubam will make a very satisfactory growth on any soil of average fertility. It's a great drought resister. It requires 2 to 3 pounds of seeds per acre if planted in cultivated rows and 8 to 12 pounds if seeded broadcast. Plant either during the fall or early spring. 1 lb., 55c; parcel post paid.

Alsike Clover—Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drought and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. The good qualities of Alsike are being appreciated everywhere, and it is particularly valuable for grazing and sowing in grazing mixtures. The quantity of seed per acre when sown alone is 6 to 8 lbs. When sown in mixtures with Red Clover, which is very desirable wherever Red Clover is sown, sow 3 lbs. Alsike and 8 lbs. Red Clover per acre. Price, 1 lb., 45c; parcel post paid.



Red Clover—Is grown for both hay and pasturage, also when the roots and stubble are turned under for soiling purpose. As a gatherer of nitrogen it is of great value to land. Soil that will produce satisfactory yields of corn are best suited for Red Clover. Sow in March or April, broadcast 10 lbs. of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. Price, 1 lb., 55c; parcel post paid.



Mammoth Sapling—Or Peavine Clover—Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre. Price, 1 lb., 60c; parcel post paid.

White Clover—This is very largely used in lawn and pasturage mixtures, and is indigenous to the soils throughout this section. Sow either in the spring or fall. When sown by itself, sow 5 to 6 lbs. per acre. Price, 1 lb., 75c; parcel post paid.

Crimson Clover—Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. Price, 1 lb., 35c; parcel post paid.

Spotted Burr Clover—Sown in July, August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Price quoted on application.

RUSSELL-HECKLE'S GRASS SEEDS

FOR HAY OR PASTURE

Red Top or Herd's Grass—This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use, giving very good results on light soils. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. It should be fed close, as if it is allowed to grow up to seed the cattle dislike it. On good soil it grows about two feet high; on poor, gravelly

land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top, commonly known as Herd's Grass, should be extensively grown, especially with other grasses.

Red Top has interlacing, thick roots which make a firm sward not likely to suffer injury from the hoofs of animals. It stands the effect of drought better than Timothy. It is more permanent if it is grazed off and not allowed to go to seed. For the best quality of hay, it should be cut when in full flower. It is more easily cured than almost any other grass. It is rather late in starting in spring and matures its crop the same time as Timothy. When it gets well established it spreads and will gradually supplant other grasses. Red Top is also one of the best grasses for hillsides or lands likely to wash. Our brand of the Fancy Clean Red Top is of extra fine quality, and carefully cleaned from impurities. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. When sowing with Timothy, sow 6 pounds of the Fancy Clean and 8 pounds of Timothy per acre. It can be sown either in the spring or fall. Price, 1 lb., 60c; parcel post paid.



Red Top or Herds Grass

Meadow Fescue, Randall or English Blue Grass—

^{Fescue} Randall or English Blue Grass. It makes a most excellent hay and pasturage Grass and is particularly valuable for Fall and Winter pasturage, as it remains green throughout the Winter. It is also a splendid Spring and Summer Grass and usually makes more and thicker leafage than any other grass. Grows 2 to 3 feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. It succeeds well in nearly all sections of the South. Sow either in the Spring or Fall at the rate of 2 bushels to the acre. 24 lbs. to bu. Price, 1 lb., 50c; parcel post paid.

Prices—Account catalog going to press before spring market has been established on all grass seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

Kentucky Blue Grass—Sow in early Spring or Fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawns. Pound will sow 20x25 feet. Price, 1 lb., 60c; parcel post paid.

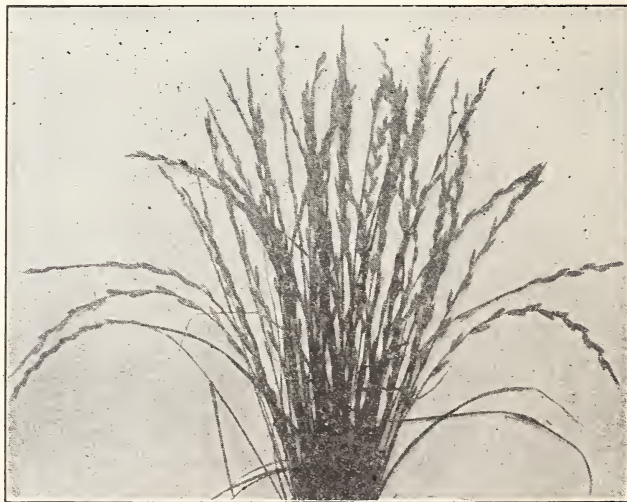
Bermuda Grass—Bermuda is a Southern Grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

One of the chief reasons that this grass has not been more extensively introduced is the fact that it has been the practice of propagating it from the roots, as it does not mature its own seed in this country. However, it is just as easy to get a good stand by planting the seed. The seed should be planted in the spring. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground becomes warm. Price, 1 lb., 75c; parcel post paid.

Carpet Grass—This grass grows tenaciously in any soil. Excellent for lawns or pasture purposes on the Gulf Coast and all sandy lands, and grows equally as well on clay uplands. Green all the year in lower Gulf States. It stools heavily and is one parent stalk. Planted from November to March, also during Spring. Ten pounds per acre. Price, 1 lb., 75c; parcel post prepaid.

Italian Rye Grass—An annual or biennial grass. Of very high value for soiling purposes. It is a remarkably rapid grower on good soil, being ready to cut in four or five weeks from seeding. Recommended for fall planting; it is one of the quickest growing grasses and is one of the very best for a beautiful green lawn through late fall, winter and early spring until the hot weather comes. Scratch in Bermuda sod and have a beautiful winter lawn. Price, 1 lb., 30c; parcel post paid.

English or Perennial Rye Grass—This variety is a little slower to grow off than the Italian Rye but has the advantage of lasting longer as a lawn, similar in other respects to the Italian Rye Grass. Sow seed on Bermuda sod in October and November and follow instructions for fertilizing, etc., as given under Italian Rye Grass. 1 lb., 30c; parcel post paid.



Orchard Grass

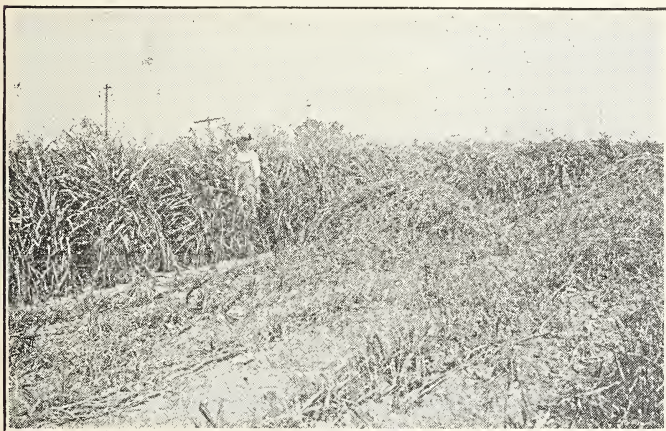
Orchard Grass—No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent wornout fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for Winter grazing, as it remains green all season. Sow 20 to 25 pounds alone per acre. 1 lb., 45c; parcel post paid.

SUDAN GRASS

A Wonderful Quick Growing Summer Hay Grass

CULTURE—Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean, blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting. It can be grown with cow peas and soy beans.

Sudan Grass is as big a yielder as Johnson Grass, but it has none of the latter's objectionable features, for Sudan Grass can never become a pest, for it is an annual with short fibrous roots that are killed by frost. Its greatest value is for hay, which is palatable and well liked by stock—the entire plant, leaves, stems and heads is eaten. It should largely supplant millet, which yields only a single cutting, whereas Sudan Grass will give at least two, and where the growing season is long, four cuttings a season have been had. It stools out wonderfully after the first cutting; it is not uncommon to find more than a hundred stems growing from a single root. Four tons to the acre is not an exceptional yield; eight tons have been grown where the season allowed four cuttings. The quality of the hay is good, analysis showing that it is equal to timothy and superior to millet. It is also strongly drought resistant.



Sudan Grass

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast. By mail, 1 lb., 25c; parcel post paid. cast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sudan Grass may be profitably grown with cow-peas and soybeans, as being of erect growth it supports the pea vines and makes the cutting easier and allows them to cure more quickly; the mixture will give a better balanced ration than either fed alone. Almost any soil, from heavy clay to light sand, will grow Sudan Grass. Sow 5 to 6 lbs. to the acre in 2-foot rows; 20 to 25 lbs. broadcast. By mail, 1 lb., 25c; parcel post paid.

LAWN GRASS SEED

Special Directions About Sowing—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly; and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled thoroughly before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed so as to bring the seed in close contact with the soil, to hold the moisture until the seed gets a good start.

Evergreen Lawn Grass—1 lb. sows 200 square feet; 60 to 75 lbs. sow an acre. Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible. 1 lb., 50c; parcel post paid.

Shady Spot Lawn Grass—A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb., 60c; parcel post paid.

Canadian Blue Grass—Grows on poorest and driest soils. Invaluable for use on steep places or exposed situations. Sow 28 pounds to the acre. 1 lb., 45c; parcel post paid.

Creeping Bent Grass—Similar to Red-Top or Herd's Grass and considered as good if not better than that variety. Distinctive on account of its compact, creeping, rooting stems, which hold in the soil in a very tenacious way. Of rapid growth and spreading habit, forming a strong, durable turf. Fine for lawns and putting greens because of its fine texture. If sown alone use 50 lbs. to the acre. Price, lb., \$1.25.

MISCELLANEOUS GRASS SEEDS

Billion Dollar Grass—Belongs to the Millet family and should not be planted until May; matures a crop of hay in 6 weeks and will then furnish good grazing. Billion Dollar Grass is a very heavy yielder and it will pay any one to plant a few acres. Being an annual, it must be planted every season. This remarkable grass is in no way a pest or in any way objectionable, as it can be plowed up and that ends it until it is planted again. Sow 20 pounds of seed broadcast to the acre. Price, 1 lb., 25c; parcel post paid.

Tall Meadow Oat Grass—Grows rapidly on good soil; will furnish two or three good cuttings a season. Sow in early Spring, 20 to 25 pounds to the acre. Price, 1 lb., 50c; parcel post paid.

Timothy—Twelve to 15 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. Price, lb., 25c; parcel post paid.

Permanent Pasture Grass Mixture—Furnishes pasture all the season from early Spring through the Winter. Sow in early Spring or Fall, using 1½ bushels to the acre. Lb., 40c; parcel post paid.

Timothy and Alsike Mixed—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early Spring and Fall, 15 pounds of the mixed seed per acre. Lb., 35c; parcel post paid.

Chicken Pasture Mixture—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. Lb., 20c; parcel post paid.

Grass Seed Prices—Grass seed prices change almost daily and so we cannot make definite quantity prices in the catalog. Write for prices on the amount you want when you are ready to buy. Then we can give you our best market prices and also tell you exactly what the freight or express will be to your station.

A SQUARE DEAL is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to protect our customers by giving them every advantage possible.

RUSSELL-HECKLE'S SOY OR SOJA BEANS

The Soy Bean is a legume, and in nutritive value is equal to Red Clover. As a soil improver it is excellent. This plant will grow on a wide variety of soils, but the richer the soil the larger the yield of forage.



Inoculate Soy Beans and Cow Peas—Whether growing them alone or in mixture, inoculate with Nitrugin. See page 51.



Laredo Soy Beans—One Gallon Per Acre Produced This Crop On Average Soil, at Covington, Tenn.—Courtesy of E. G. McIntosh and E. J. Baskin of That City.

The Laredo Soy Bean—At last the ideal soy bean for the entire South seems to have been developed. Up until the past several years we have had to rely on the Mammoth Yellow, a good variety but having several drawbacks—late maturity, shattering out of the beans, and difficulty of obtaining a stand in unfavorable weather.

The Laredo overcomes each one of these objections—it matures much earlier, does not shatter out badly and will make a crop under conditions that would spell ruin to cowpeas or other soy beans. Yields of four tons of hay have been obtained, quality almost equal to alfalfa; as much as 35 bushels of beans have been harvested per acre.

In the Spring of 1922, the Delta Experiment Station at Stoneville, Miss., planted two acres of poorly drained coco infested buckshot land to Laredos. In the fall 25 bushels of threshed beans and about 2½ tons of bean straw per acre were harvested. The beans were worth on the market \$15.00 per bushel and the threshed straw or hay \$10.00 per ton, or a total value of \$400.00 per acre. On October 15th the bean area was disked and sowed to Red Rust Proof Oats. In April a perfect stand of volunteer beans could be seen in the oats. The oat crop produced between 50 and 60 bushels per acre and the bean crop was allowed to produce a seed crop in the fall of 1923. The yield was 26 bushels per acre of clean threshed beans and at least three tons of bean straw. The seed was worth \$10.00 per bushel and the straw \$10.00 per ton. This, added to the value of the oat crop, gives a total return of \$320.00 per acre for the crop year of 1923.

Second Volunteer Crop of Beans—After the beans were harvested for seed in the fall of 1923, the field was again disked and sowed to oats. The fall was dry and the oats did not germinate until November 27th, with a very wet and cold winter and a very late start most of the oats froze or drowned out. On March 27th, 1924, a very thick stand of soybeans was breaking through the ground. In the wettest spot where all of the oats and even the winter weeds and grasses had drowned out, the best stand of beans was obtained. The frost and freeze on the night of March 31 killed thirty to forty per cent of the plants which were up but enough more germinated to give a perfect stand of volunteer beans in 1924. The field looks promising at this time. The plants are about three feet high although the station has had no rain of any consequence since May 26th for a period of 81 days.

(The above statement of results at Delta Experiment Station taken from a longer article by W. E. Ayers in the Progressive Farmer Oct. 4, 1924.)

One bushel will plant six to eight acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to twelve acres. They should not be covered deeper than 1½ inches, a half inch is better. One or two cultivations to keep down the grass and weeds, is advisable. The Delta Experiment Station reports splendid results from sowing Laredos March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats and the beans were not large enough when the oats were harvested to interfere with the binder.

As a fine quality hay maker it stands second to none. In a six-year test it averaged 1½ tons to the acre. It is particularly adapted to sections where wilt and nematode are prevalent, as it has proved resistant to these troubles. It is medium in maturity, is a good yielder of beans, and has an advantage over many other varieties in that they do not shatter in the fall. Qt., 60c; parcel post paid.

Mammoth Yellow Soy—A bunch variety, which can be planted throughout the South with splendid results, making a fine crop of hay. Planted in corn very often, improving the yield of corn, and furnishing a profitable crop of beans for seed, or making wonderful grazing crop for hogs and stock. Plant in drills 30 pounds per acre or broadcast 60 to 90 pounds. Qt., 35c; parcel post paid.

Biloxi Soy Beans—An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth. Qt., 40c; parcel post paid.

Special Notice—Prices: On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm Seeds, we quote same in our catalog only in small lots. For current prices on large quantities, see our Special Green Ink Sheet enclosed.



O-too-tan Soy Beans— Compared with Cow Peas, produces twice as much seed, twice as much hay, better hay, adds twice as much fertilizer to the soil and costs less to seed an acre. While the O-too-tan Bean is a member of the Soy Bean family, it is so

different in every respect from the Mammoth Yellow with which we are all so familiar, that we have preferred to leave the word "Soy" out of the name.

The O-too-tan is the hay bean par excellence. Mr. M. T. Byrn of Arkansas reports a yield of $4\frac{1}{2}$ tons of dry weighed hay to the measured acre, and states that where it and Alfalfa were placed before his stock, many of his mules would eat the O-too-tan in preference to the alfalfa. The chemical analysis shows O-too-tan hay richer in both protein and carbohydrates than Alfalfa. Prof. Tracy, at Biloxi, got 51 bushels of beans per acre. Naturally, it takes a wonderful root system to produce this much tonnage, and that is just what the O-too-tan has; as a fertilizer gatherer it is a regular Nitrate Agency.

The O-too-tan is a very rapid growing plant. It will grow erect for some four or five feet and then, owing to the fine stems will droop to the ground and send out runners from 8 to 15 feet, according to the richness of the soil. Unlike the Cow Pea, however, it does not twine around corn stalks, nor do the vines twine around each other, quite an advantage when being handled for hay. The stems being of fine texture, the hay is easily and quickly cured. It does not shatter its seed nor its leaves in harvesting. When planted alone for hay, one bushel will plant from four to six acres in 3 to $3\frac{1}{2}$ foot rows. A combination planter with a sorghum plate is generally used. It is usually necessary to file the holes a little larger to permit the beans to go through without wedging. The proper distance in the drill is from 14 to 16 inches. While somewhat harder than the Mammoth Yellow, withstanding light frosts without serious damage, we would not recommend planting until the ground is thoroughly warm. A good time to plant is "cotton planting" time. Do not cover over $1\frac{1}{2}$ inches deep, and $\frac{1}{2}$ inch is better. One or two cultivations to subdue the crab grass and other natural weeds and grasses will prove the most profitable investment you ever made in the way of cultivation. If planted in early corn, on the ridges as close to the corn drill as possible which will permit cultivation without injury to corn or beans. If planted in late corn they may be planted in the same drill with the corn. Qt., 60c; parcel post paid.

Virginia— On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown further North and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making. Qt., 50c; parcel post paid.



Comparing Soy Beans and Cow Peas—

Soy Beans and Cow Peas although alike in many respects differ as follows: Soy Beans will stand the frost that would be fatal to Cow Peas and continue to grow. They are better yielders of grain than the Cow Peas and plants are erect and easier to cut. An acre of Soy Beans is 50 per cent greater in feeding value than an acre of Cow Peas. Unlike Cow Peas, Soy Beans mature all the pods at practically the same time. On the other hand, Cow Peas will succeed on a very poor soil that will not support Soy Beans. They will stand a greater degree of drought. They ripen their seed a little earlier as a rule and are better for choking out weeds.

Sow in May, June and July, at the rate of $1\frac{1}{2}$ bushels to the acre. The value of cow peas as a soil enricher is now well known. They add nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay.

Prices on cow peas given on application. Let us know how many you will need.

Whipporwill—A favorite early bunch-growing variety. A great favorite on account of its early maturity.

New Era—An early, upright-growing variety. Matures in sixty to seventy-five days.

Black Stock—Large vining variety. Best for thin land.

Clay—Very similar to the Unknown, but earlier.



COW PEAS

Mung Beans—The New Wonder Crop—Mung Beans bid fair to out rival anything yet discovered as hay, forage and soil-improving crop. Mung Beans are double-resistant and have made wonderful crops of hay and forage where cow peas and soy beans have been killed off completely by the blistering and withering heat of an extended summer drought.

Mung Beans mature about 15 days earlier than soy beans and cow peas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers yet discovered. 2 pounds of Mung Beans will produce about 2 tons of cured hay. Requires about 8 pounds of seed to plant 1 acre. Plant in rows about $3\frac{1}{2}$ feet apart and 2 to 4 inches apart in the rows. Price, pkt., 10c; 1 lb., 50c; parcel post paid.



Early Speckled Velvet Beans

Velvet Beans—Early Speckled 90-day Velvet. Make an enormous foliage growth; greatest soil-improving crop grown with the least expense. This new Velvet Bean is creating a sensation wherever it is planted. It is the quickest growing and earliest maturing of the velvet beans, and is well adapted for growing in districts further north than Velvet Beans ordinarily have been grown. It will succeed and mature from Tennessee southward and will make a large growth in more northerly sections, even where it does not mature the seeds. It makes a wonderful soil improver and forage crop and the best for grazing for cattle. Qt., 35c; parcel post paid.



Red Rippers—Vines grow long; make an abundance of hay.

Wonderful, or Unknown—On account of the great growth of the vines this variety is especially valuable.

Mixed—Preferred by many farmers where the crop is intended for soil improving; they will grow thicker than separate varieties, producing better crop of vines and forage.

Large White Black Eye—This variety is not only valuable as forage and soil-improving crop, but the dried peas are readily saleable as table peas during the winter.

White, Cream, or Lady—Fine for table use and a great soil enricher. Peas are small in size. Very prolific.

Crowder—Very prolific and an excellent variety for table use.

RUSSELL-HECKLE'S FARM SEEDS

MILLETS



Tennessee Golden Millet

Tennessee Golden—Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant $1\frac{1}{2}$ to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety such as Whiporwill or New Era, sowing about $\frac{3}{4}$ to a bushel of millet with one bushel of peas to an acre. Lb., 20c; parcel post paid.

Western Golden—This variety is very similar to the Tennessee Golden, however, it does not produce quite as much hay, and the heads are not quite so large. Lb., 20c; parcel post paid.

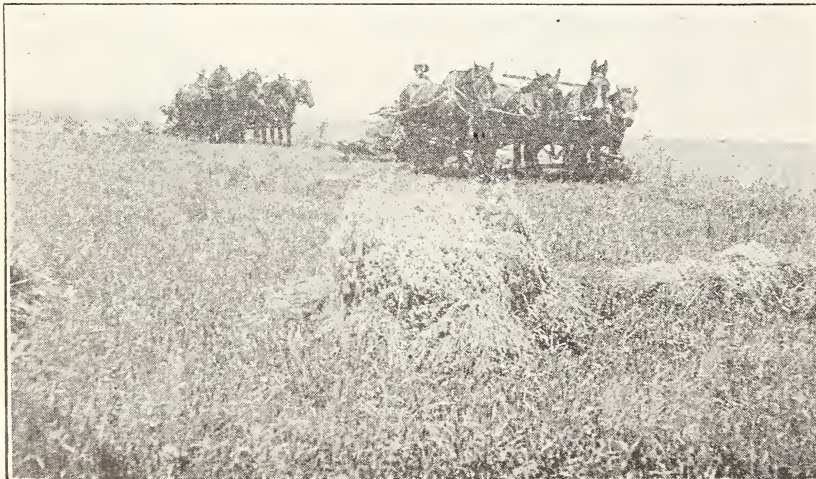
Hungarian Millet—An early forage plant, early and productive, growing 2 to 3 feet high, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. Lb., 20c; parcel post paid.

SEED OATS

CULTURE—Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of phosphate to acre at time of seeding. It will increase your yield. One hundred lbs. Nitrate of Soda applied just before oats begin to head will pay handsome profits.

Appler—A very hardy variety, rust-proof and a heavy yielder. Matures ten days earlier than native rust-proof and about a week later than Burt. For prices on Seed Oats see Special Green Ink List enclosed.

Early Burt, or Ninety-Day—The quickest growing and most prolific yielding Spring oats. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in Spring.



Harvesting Hastings 100 Bushel Oats

Hastings 100 Bushel Oats—An ideal variety, suited to most any soil, the straw is of medium height, very stiff and does not lodge easily; has a long branched head, therefore it is by far the best yielding oat.

We consider it the greatest early oat in the country.

Genuine Fulghum—Very hardy, rust-proof; very heavy grain; mature early.

Texas Red Rust-Proof—The strain of this popular old favorite that we have is direct from the best growers we know. The grain is heavy, bright and of fine quality.

For Prices on Seed Oats refer to our green ink price sheet, sent on request.

PEANUTS



Spanish Peanut

CULTURE—Prepare the ground well, laying it off in rows with a shovel plow; the rows should be $3\frac{1}{2}$ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushels of unshelled nuts will seed an acre.

Spanish Peanut—In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier also. This variety frequently yields sixty bushels of marketable peanuts and two tons of hay per acre. Lb., 30c; parcel post paid.

Tennessee Long Red—The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. Lb., 30c; parcel post paid.

Valencia Peanut—This is the large red Spanish Peanut, having 2 to 3 large, rich, sweet nuts in each hull. These need the best land and plenty of acid phosphate. When properly selected and sold as parched peanuts they bring the highest prices. Lb., 35c; parcel post paid.

White Virginia—Largest size; white variety. Lb., 30c; parcel post paid.

SORGHUM or CANE SEED

CULTURE—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam, in rows $3\frac{1}{2}$ to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cow peas and soy beans either in rows or broadcast.



Texas Seeded Ribbon Cane

Texas Seeded Ribbon Cane—Whether you grow it for feeding, you will like it. It makes syrup of a bright amber color, and fine flavor. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum of cost.

Plant in $3\frac{1}{2}$ foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. For making syrup, cut just before the heads ripen, at which stage the sugar content of the plants is greatest. Lb., 25c; parcel post paid.

Kaffir Corn, Milo Maize, Etc.

KAFFIR CORNS—(50 pounds to bushel.) Miss. Exp. Station says: "Will yield thirty bushels of seed on land making only 12 to 15 bushels of corn. Plant as late as July 20—plenty of time to mature seed." The principal crop in Oklahoma. Used as a part in all prepared chicken feeds. Sow with Cow Peas broadcast, at the rate of a peck of Kaffir Corn to a bushel of Cow Peas per acre. Both can be cut together, making an enormous yielding crop of most nutritious feed.

White Kaffir—Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For fodder, sow from $\frac{1}{2}$ to 1 bushel, either broadcast or in drills. Lb., 20c; parcel post paid.

Red Kaffir—Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. Lb., 20c; parcel post paid.

Yellow Milo Maize—A non-saccharine sorghum of high value. It is a vigorous grower, of deep green color, attaining a height of 8 to 10 feet. Plant in April, May or June, 6 to 8 pounds of seed to an acre in drills. Lb., 20c; parcel post paid.

Dwarf Yellow Milo Maize—One of the most popular varieties of non-saccharine sorghums grown in Texas. Immense quantities are grown in the Panhandle and southwestern portion of the state. It is being planted more and more in the black-land belt and is becoming more popular every year. Very productive and makes an enormous amount of the finest kind of grain which is relished by all kinds of stock. Sow in rows three feet apart, five to ten pounds of seed per acre. Lb., 25c; parcel post paid.

Broom Corn

Improved Evergreen—An excellent variety of good length; has fine, straight straws.—Sow in April, one gallon to the acre. Lb., 20c; parcel post paid.

Oklahoma Dwarf—Straight, stiff stems and leaf; markets readily. Lb., 25c; parcel post paid.

Early Orange—A variety well adapted for the South. It is from 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. Lb., 20c; parcel post paid.

Early Amber—Farmers and stockmen say that the Early Amber is the most valuable fodder plant in existence. It is profitably grown in any section of the South on any good corn ground, and it is but little affected by drought. Lb., 20c; parcel post paid.

Japanese Honey—This variety of cane is without a doubt the best all-round producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific, sometimes producing five to seven stalks from one seed. Matures about the middle of August to October, owing to time of planting, but will keep green and stand, if desired, until killed by frost, allowing the farmer to take his own time to harvest for syrup. As a syrup producer it has no equal, being exceedingly juicy and sweet, making from 200 to 400 gallons per acre, highly flavored. Lb., 25c; parcel post paid.

Red Top or Sumac—Grown extensively in Middle Tennessee. Succeeds well in this section. Red Top Sorghum is the best variety for silage. Very sweet and one of the best for hay. Lb., 20c; parcel post paid.

Sugar Drip

It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice when extracted by a good farm mill; a stronger mill should extract as much as 75 to 80 per cent. Lb., 25c postpaid

Miscellaneous

Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

Japanese Buckwheat—It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., 25c; parcel post paid.

Feterita—This wonderful new non-saccharine sorghum is somewhat similar to Kaffir Corn, with the exception that the grains are somewhat larger and softer than Kaffir Corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir Corn. It is undoubtedly the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. Lb., 20c; parcel post paid.

Shrock Kaffir-Sorghum—Schrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 5 pounds of the seed is sufficient to plant an acre. Lb., 25c; parcel post paid.

Egyptian Wheat, or Shallu—A valuable new grain, entirely different from wheat. The heads are large and heavy. All stock love it, and do well. It makes hens lay better than any poultry food. It will stand more wet or dry weather than maize or cane. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. Lb., 30c; parcel post paid.

Prices—On account of catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



Yellow Milo Maize

RUSSELL-HECKLE'S FARM SEEDS



Teosinte

Teosinte—A single seed producing from thirty to sixty stalks, each 10 to 12 feet high, gives some idea of what an enormous yield may be had from Teosinte—the Louisiana Experiment Station reported a crop of more than 50 tons on an acre. If cut when 4 to 5 feet high, it makes an excellent fodder, starts immediately into growth again, and will give several more cuttings as large as the first; we have known it to yield five cuttings a season. If sufficient is planted a continuous supply of nutritious green feed can be had daily right up to frost. The leaves are longer and broader than corn, contain 8 to 10 per cent of sugar, and are greedily eaten by all kinds of stock. It makes splendid ensilage, but is more particularly recommended as a continuous cutting green feeding crop. Plant in May or June in drills $3\frac{1}{2}$ to 4 feet apart; 2 to 3 lbs. plants an acre. Pkt., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; parcel post paid. Not prepaid, 1 lb., \$1.15.



THE VETCHES

Augusta—This, like field peas, is used for both green fodder and for plowing into the soil. Its use is rapidly increasing as a green fodder crop. Lb., 25c; parcel post paid.

Hairy—For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain, it requires one peck of seed to each acre. Sow in September and October. Lb., 35c; parcel post paid.

Rye, Barley, Wheat and Oats for Fall Planting

Largely used all over the South for Winter pasturage, early green feed and turning under green. They are good crops to cover ground during Winter rains, to prevent leaching and washing.

Winter Barley—Makes rich pasturage, stools heavily. Sow in the Fall $1\frac{1}{2}$ bushels to the acre. Prices on application.

Rosen Rye—Stands the coldest weather, adapted for thin soils, affords good winter pasturage. Sow 1 to $1\frac{1}{2}$ bushels to the acre any time in the Fall. Prices on application.

Abruzzi Rye—An early variety, stools heavily and thrives on any kind of land. Sow $\frac{3}{4}$ to 1 bushel to the acre in September. Prices on application.

Winter Turf Oats—Recommended as one of the finest crops for winter pasture and hay crop. Stools well, therefore gives most excellent pasture. Sow $1\frac{1}{2}$ bushels to the acre any time in the Fall. Prices on application.

Seed Wheat—Red May—Smooth or beardless variety. Sow $1\frac{1}{4}$ to $1\frac{1}{2}$ bushels to the acre for pasture or hay, October is the best time to sow. Prices on request.

Fulcaster Wheat—A bearded wheat and the best to sow for grain. Prices on request.

Mammoth Russian Sunflower—

A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. Plant 6 lbs. to the acre in drills. Lb., 25c; 3 lbs., 60c; parcel post paid.

Canada Field Pea—The foliage and habit of growth is quite similar to the Garden Peas. It is sometimes grown alone, but the most satisfactory results are secured by using with oats, rye or barley. It is good feed either green or dry for cattle. Sow 60 to 90 pounds of seed to the acre. Price, qt., 35c; parcel post paid.

Artichoke (Jerusalem)—Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows; immensely productive; 3 bushels will plant an acre. Qt., 35c; 4 qts., \$1.00; parcel post paid.

Potato beetles will be at their work soon. Powdered arsenate of lead mixed with two or three parts of slaked lime and sifted through a meal sack or similar material will kill them. In the early morning while the dew is on and the wind quiet is a good time to make the application.



Dwarf Essex Rape

Dwarf Essex Rape—The most profitable pasture plant in existence. Rape is one of the quickest and cheapest pasture crops for sheep, young cattle, poultry and hogs. One acre of Dwarf Essex Rape will pasture more hogs, cattle and sheep than six acres of grass or clover. As a healthy, fattening pasture food it has no equal. It stands without a rival in cheapness and effectiveness.

It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine. A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well-known rape will furnish pasture for twenty head of sheep for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture. 2. In June or July, on well-prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a "catch" of clover. 6. As a cover. Lb., 25c; parcel post paid.

Inoculate

Alfalfa, Sweet Clover, all Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, all Legumes with
The Improved Soil Inoculator, Nobbe-Hiltner Process

Registered in the United
States Dec. 6th, 1898.
OVER 26 YEARS AGO

NITRAGIN

Restores and Maintains Soil Fertility

The Original Soil Inoculator

Grow legumes—alfalfa, clovers, soys, vetch, peas, and beans—for valuable feed crops, soil improvers, cover crops; BUT BE SURE TO INOCULATE THEM WITH NITRAGIN. Agricultural Colleges advise inoculation. Inoculated legumes draw valuable nitrogen from the air—not the soil—increase yield and quality of the crop and leave a rich store of nitrogen in the soil for future crops. Inoculated legume seed develops heavy clusters of nodules, where nitrogen is stored, on the roots of the legume plant and without which the legume is valueless as a soil builder. Nitragin inoculated legume crop bears heavy nodules and pays big in increased soil fertility.

Protect yourself by insisting on NITRAGIN, the original Soil Inoculator. All inoculators are perishable; every package of Nitragin is dated as to life of contents for your protection. Look for the dated label when buying; agricultural colleges recommend this protection.

Prices for Field Nitragin

1/4 bu. size for 15 lbs. seed	.....\$0.40
1/2 bu. size for 30 lbs. seed	......60
1/2 bu. size for Soy Beans and Cow Beans	......40*
1 bu. size for 60 lbs. seed	.....1.00
1 bu. size for Soy Beans and Cow Peas	......70*
5 bu. size for 300 lbs. seed	.....4.75
5 bu. size for Soy Beans and Cow Peas	.....2.50*

* These prices on Nitragin for Soy Beans and Cow Peas have been greatly reduced from former prices. Buy the economical 5 bu. size for 50c per bushel of seed, treated.

When ordering, always state kind of seed you want to inoculate.

Nitragin for Garden Use

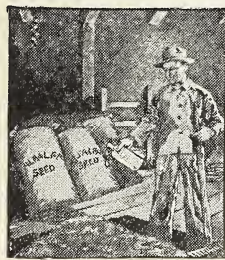
Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans including Lima (3 in one Inoculant) Price.....20c



Inoculated Alfalfa Roots



Sold in tins—not glass—packed in rich, soil-like granular medium, easy to mix with seed. Contents always fresh and bacteria active and vigorous.



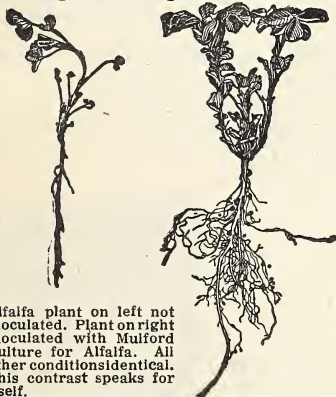
Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH

Mulford Cultures

Small Cost Large Returns Easy to Use No Labor Expense



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Increase Your Crops Improve Your Soil

Legumes Offer the Best Known Means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

MULFORD CULTURES are supplied for the varieties of legumes listed at the following prices:

ALFALFA
CRIMSON CLOVER
WHITE CLOVER
RED CLOVER
ALSIKE CLOVER
LESPEDAZA

COY PEAS
SOY BEANS
VETCH
VELVET BEANS
GARDEN PEAS
GARDEN BEANS

5-Acre Size.....\$5.00; parcel post paid.
1-Acre Size.....1.50; parcel post paid.
1/4-Acre Size......75; parcel post paid.

Small Size (Supplied only in 4 varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).....35c; parcel post paid.

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.



RUSSELL-HECKLE'S FRUIT TREES

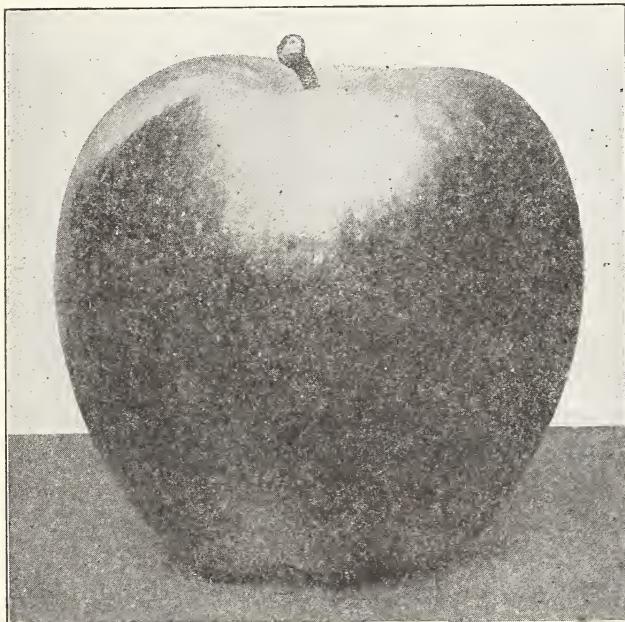
CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

CULTURE—Set out small trees. They are more certain to grow and will bear fruit just as early as any large or older tree. It is a mistake to reset any tree older than two years.

Our trees are first class and true to name. We represent one of the largest and most reliable nurseries in the South.

Terms are strictly cash, F. O. B., Memphis. No trees shipped C.O.D.



Delicious Apple

APPLES

Price: First Grade Trees, 4 to 6 feet, each, 70c; 10 for \$6.00.

EARLY HARVEST. Yellow, medium to large size, fine flavor. The most profitable early apple in this section.

HORSE (Yellow Horse). Large greenish yellow; acid, a good bearer; July-August.

RED JUNE. Medium size, oblong; deep red, middle of June to end of July.

GRIMES' GOLDEN. Large, golden yellow; good bearer; ripens in September.

ROME BEAUTY. Large yellow, with red cheek; vigorous growth and bears young.

WINESAP. Small to medium size; fine, dark red; flesh crisp; an excellent keeper.

DELICIOUS. Very large, oblong; color rich crimson shaded to yellow; fine grain, juicy; a fine keeper and shipper.

YATES. One of the surest croppers and best keepers; dark red with white dots; flesh yellow, crisp and good.

STAYMAN WINESAP. Much like Winesap in size and appearance, but of better quality.

YELLOW TRANSPARENT. Very early; skin yellow, flesh crisp, sub acid, resists blight.

SPECIAL NOTICE. If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? Advise us.

APRICOTS

Prices: First class trees, 4 to 5-feet, each, \$1.00.

EARLY GOLDEN. Very early, productive and of good size.

ROYAL. Large, yellow, with orange cheek; rich and delicious.

CHERRIES

Prices: First class trees, 3 to 5-ft., each, 75c; 10 for \$7.00.

BLACK TARTARIAN. Large, purplish black; a pleasant flavor.

EARLY RICHMOND. Medium in size; light red; acid; ripens last of May.

GOVERNOR WOOD. Good size; clear, light red; tender and juicy.

LARGE MONTMORENCY. Very productive; large size; rich red; follows Early Richmond. Tree a strong grower and a sure bearer.

QUINCES

Prices: 3 to 4-ft. Trees, each, \$1.00; 10 for \$8.50.

ORANGE. Fruit of good size, bright yellow; excellent flavor.

MEECH PROLIFIC. The largest quince in cultivation; an early bearer.



Concord Grapes

GRAPES

Prices: 2-Year Vines, each, 35c; 10 for \$3.00; 100 for \$25.00.

CONCORD. Fruit dark purple, large and sweet.

DELAWARE. Small red; juicy and sweet.

DIAMOND. Greenish white; large size; good bearer.

NIAGARA. Fruit tender, sweet; large greenish white.

LUTIE. Brownish red; large, of delicious flavor.

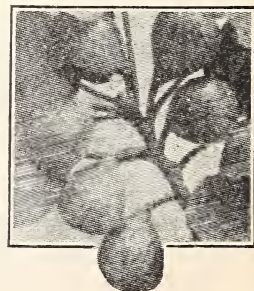
MOORE'S EARLY. Early black; two weeks ahead of Concord; good size both in bunch and berry.

FIGS

First Grade, 3 to 4-ft. bushes; each, 85c; 10 for \$7.50.

BROWN TURKEY. Large, with broad base; reddish purple skin; flesh pink; very fine.

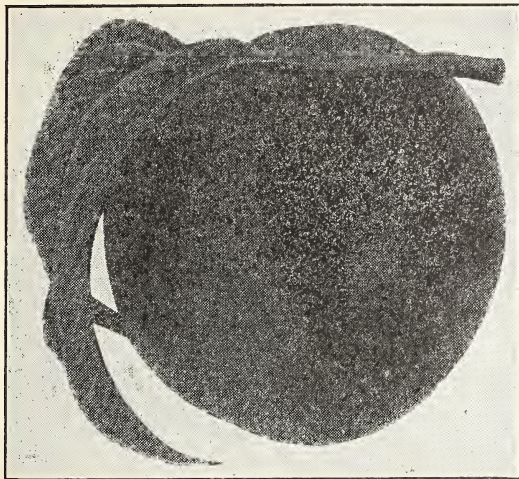
CELESTIAL. Pale violet, large size fruit; very hardy.



PEACH TREES

First Grade Trees, 4 to 5 feet, each, 70c; 10 for \$6.00.

These ripen in succession as listed. Red Bird Cling first; last, Krummel's October.



Red Bird Cling Peach

RED BIRD CLING. Semi cling; a fine early peach. Seldom fails as they bloom last. Ripens May 15th.

MAYFLOWER. Freestone; good size; ripens May 20th.

EARLY ROSE. Cling; larger than Mayflower; ripens May 15th; a good keeper; red sweet flesh.

ARP BEAUTY. The earliest yellow freestone peach; ripens June 10th.

GREENSBORO. Ripens in June; freestone; largest of all early peaches; skin is colored and dark red, shaded with yellow.

CARMAN. Large, resembling Elberta; skin tough, creamy white, with deep blush; flesh creamy white; freestone; middle of June.

HILEY OR EARLY BELLE. Large white with red cheek, freestone; ripens middle June.

YELLOW HILEY. Freestone; golden yellow flesh which in flavor cannot be surpassed.

BELLE OF GEORGIA. Very large; has white skin, attractive red cheek; flesh white, firm; freestone; ripens about the 10th of July.

EARLY ELBERTA. Freestone; midseason; yellow, of the Elberta type, but earlier somewhat, finer grained, better in quality and sweeter; a very highly colored peach.

ELBERTA. Of Georgia origin; firm yellow flesh and tough skin, which is yellow slightly overspread with red; fine red cheek; freestone; middle of July.

INDIAN CLING OR BLOOD CLING. Large size, with deep red flesh; an old time favorite.

J. H. HALE. Averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor; color a beautiful golden yellow with deep carmine blush; one of the best freestones; ripens in July.

CHINESE CLING. Very large; yellowish white, mottled with carmine; flesh white, red at tip; a very juicy peach; clingstone; end of July.

HEATH CLING. Late, September 15; white tinged red, very juicy, rich and luscious.

KRUMMEL'S OCTOBER. Freestone; deep yellow, with carmine blush; ripens late.

SPECIAL OFFER. 17 Peach trees, first quality, one each of above sixteen varieties, for only \$7.00.

MULBERRIES

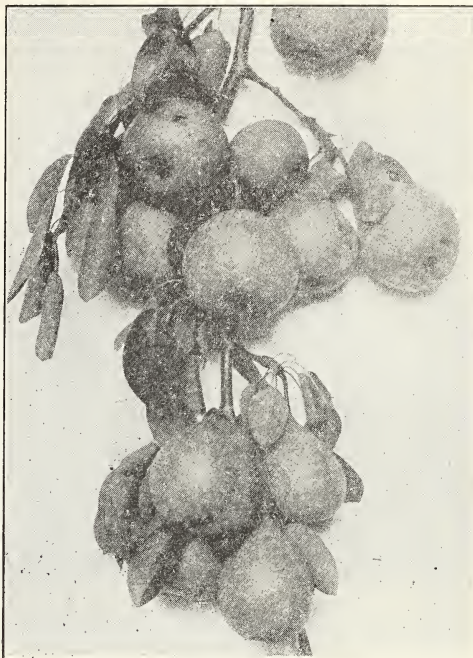
Price: 4 to 5-ft. Trees, each, \$1.00.

DOWNING. Berry large, black; ripens ahead of Hick's, hardy and prolific.

HICK'S EVERBEARING. Follows Black English and continues in bearing for weeks; berry is black.

PEARS

Price: First grade trees, 4 to 6 feet, each, 85c; 10 for \$7.50.



Keiffer Pears

BARTLETT. Large, juicy, yellow, sweet; bears early; fine eating quality.

DUCHESS. Very large; good keeper; excellent quality.

LE CONTE. Good size, bell-shaped. Tree a vigorous grower; bears young.

GARBER. Larger than Kieffer; a beautiful yellow; ripens in September.

KIEFFER. Large to very large; yellow, with vermillion cheek; brittle flesh; quality usually poor; greatly improved if ripened in dark, cool room. Matures in September. Prolific; begins bearing early—the third or fourth year.

SECKEL. This little pear is the standard for flavor. Yellowish russet with red cheek; very juicy and melting. August.

PINEAPPLE. Practically blight-proof; a strong, vigorous grower and remarkably productive here in the South. Perhaps the most valuable of all the pears for the extreme southern part of the United States.

SPECIAL OFFER. One each of the above 7 pear trees for \$5.00.

PLUMS

Price: First grade trees, 4 to 5 feet, each, 85c; 10 for \$7.50.

ABUNDANCE. Large size, matures early; of bright red color; sweet and juicy.

BURBANK. Similar in all characteristics to Abundance, except that it is more globular. Of cherry red color, mottled with yellow.

RED JUNE. Skin of purplish red color; flesh yellow, solid, rather coarse grained, juicy; very prolific. Matures about the middle of June.

WICKSON. A plum of large size and distinct, pointed shape. Of high quality purple when matured. It ripens the last of July.

WILD GOOSE. Very large; bright red skin; yellow flesh; tree a vigorous grower.

SHROPSHIRE DAMSON. European type. Of larger size than the old Blue Damson. Dark purple; good quality. In great demand for preserving.

COMPASS CHERRY-PLUM. A cross between the Sand Cherry and the Miner Plum. Fruit about one inch in diameter, bright red; when fully ripe a dark rich red. Remarkable in that it bears heavily the second or third year.

SCUPPERNONG GRAPES

JAMES SCUPPERNONG. Large black fruit, of delicate flavor. Each, 60c; 10 for \$5.00.

STANDARD SCUPPERNONG. Very large; bronze color; each, 60c; 10 for \$5.00.

STRAWBERRY PLANTS

CULTURE. Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.



Klondyke Strawberries

EXCELSIOR. Extra early; high color; a vigorous grower and one of the best drought resisters.

LADY THOMPSON. Widely planted over the whole country.

KLONDYKE. A shapely dark red berry of uniform size and one of the best shippers.

GANDY. The last to ripen; a large, firm bright crimson berry of good quality.

Price: The above four varieties uniform as follows:

50 plants, 75c; 100, \$1.20; 200, \$2.00; 500, \$3.35; 1000, \$5.50; parcel post paid. Not prepaid, 100, \$1.00; 500, \$2.75; 1000, \$5.25.

AROMA

The very best late sort, large size, dark red and sweet. 50 plants, 85c; 100, \$1.35; 500, \$3.75; 1000, \$6.50; parcel post paid. Not prepaid, 100, \$1.20; 500, \$3.25; 1000, \$6.00.

CHESAPEAKE

The extra fine strawberry, the best morsel man ever put in his mouth. Has the real strawberry flavor; fruit large, deepest red and very firm.

50 plants, \$1.20; 100, \$2.00; 500, \$5.00; parcel post paid. Not prepaid, 100, \$1.75; 500, \$4.50.

Everbearing Strawberry Plants

PROGRESSIVE EVERBEARING. This is the best of the Everbearing sorts; berry is dark red, good shape and quality.

Price: 25, 85c; 50, \$1.35; 100, \$2.25; 500, \$7.00; parcel post paid. Not prepaid, 25, 75c; 50, \$1.10; 100, \$2.00, 500, \$6.25; 1000, \$12.00.

GRAFTED PECANS

Plant 35 to 50 feet apart.

2 to 3-ft. trees, each, \$1.00; 10 for \$9.00; 4 to 5-ft. trees, each, \$1.50; 10 for \$11.00.

STUART. The hardest of this list. Large size; shell medium thin; quality good; one of the best varieties.

SCHLEY. A distinctly pointed nut of good size; thin shell, well filled; fine flavor.

FROTSCHER. Rich plump meat, medium to large nut; thin shell.

SUCCESS. One of the largest; bears early; very thin shelled; productive.

RASPBERRY PLANTS

Price any following varieties: 10, \$1.20; 100, \$6.90; parcel post paid. Not prepaid, 10, \$1.00; 100, \$6.50.



Kansas Raspberry

CARDINAL. Large reddish purple; almost a sure cropper.

CUTHBERT. Red, of excellent quality; ripens end of May.

KANSAS. Large, firm, black, fine for the South.

ST. REGIS EVERBEARING. Fruit bright red; produces crop in the Spring, also in the Fall; will bear the first season. Almost a sure cropper every season.

BLACKBERRY PLANTS

Price either of following varieties: 10, \$1.00; 100, \$6.50; parcel post paid. Not prepaid, 10, 80c; 100, \$6.25.

EARLY HARVEST. Medium size, firm, productive.

ELDORADO. Large reddish black; very sweet.

CHESTNUTS

Each, \$1.00.

JAPAN MAMMOTH. Produces mammoth size nuts; tree a vigorous grower.

AMERICAN SWEET. Tree a rapid grower; produces nuts early.

WALNUTS

Each, \$1.00.

ENGLISH. Makes a handsome tree; a table nut of fine quality.

JAPAN. A vigorous tree and a sure and prolific bearer.

JAPANESE PERSIMMON

These make ornamental trees, the bright green foliage with the golden fruit make them very attractive.

Price: 3 to 4-ft., each, \$1.00.

HYAKUME. Large, dark, yellow, sweet and meaty.

TANE NASHI. Bears young; productive.

TRIUMPH. Fruit yellowish red, smooth skin, flesh, fine grained and of excellent quality.

SHRUBS



Weigela Rosea Shrub

- WEIGELA EVA RATHKE.** Rather dwarf flower; deep carmine red; each, 85c.
WEIGELA ROSEA. Flowers deep pink, borne in great abundance, a vigorous free grower; each, 75c.
ALTHEA, Red. White and purple; bloom entire summer; each, 60c.
CALYCANTHUS. Sweet scented shrub; each, 70c.
CREPE MYRTLE. Grows 10 to 15 ft.; each, 80c.
DEUTZIA, three kinds. Flowering; each, 60c.
FORSYTHIA (Golden Bell). Each, 60c.
HYDRANGEAS. Large blossoms; each, \$1.00.
LILAC, PURPLE. Very fragrant; each, 85c.
SYRINGA. A valuable shrub; each, 60c.
SNOWBALL. Very showy flowers; each, \$1.00.
SPIREA, VAN HOUTTE. Probably the most popular shrub for all purposes; each, 50c.
SPIREA BRIDAL WREATH. White cluster flowers; each, 70c.

EVERGREENS

We offer in two good planting sizes, medium and large, a varied line of Evergreens, suitable for our climate. All are dug with a ball of earth and burlapped; Evergreens handled in this manner will grow as readily as ordinary shrubs. We carry other varieties, some extra large specimens. Prices on application.

- ABELIA.** A good blooming Evergreen.....\$1.00 and \$1.50
ARBOR VITAE. American type. Globe, bush and pyramidal shapes 1.50 and 2.50
ARBOR VITAE. Chinese type. Pyramidal and tree shapes 2.50 and 3.50
ARBOR VITAE. Berckman's Golden, a fine dwarf 2.50 and 3.50
ARIZ. CYPRESS. Bluish Green Pyramid..... 3.00 and 4.00
BOX. The most popular plant of old gardens..... 1.00 and 2.00
CEDRUS DEODARA (Indian Cedar). A magnificent specimen evergreen 4.00 and 5.00
CAPE JASMINE. Hardy south of Memphis..... 1.50 and 2.00
EUONYMUS JAPONICA. A splendid waxy leaved evergreen 1.00 and 2.00
EVERGREEN PRIVETS. Wax leaved varieties..... 2.00 and 3.00
IRISH JUNIPER. Tall and columnar, good grower 1.50 and 2.00
JAPANESE CYPRESS. Four varieties, materially different, all beautiful..... 2.00 and 3.00
NANDINA OR HEAVENLY BAMBOO. Distinct and beautiful berried evergreen shrub..... 1.00 and 3.00
NORWAY SPRUCE. The Christmas Tree of the North 1.00 and 2.00
VINES, EVERGREEN. English Ivy, Euonymus and Hardy Smilax50 and .75
PORCH AND WINDOW BOX EVERGREENS. We can furnish choice small plants of about ten varieties that will do well in these boxes, at 75c each.

PERENNIAL PHLOX

Hardy Everywhere.

- CHAMPS ELYSEE.** Rich crimson.
ECLAIREUR. Light rose carmine.
H. O. WIJERS. White with red eye.
MISS LINGARD. White with pale pink center.
MRS. JENKINS. Large pure white.
R. P. STRUTHERS. Cherry red and salmon.
 Price, each, 35c; 2 for \$1.00; 12 for \$3.00.

HEDGE PLANTS

Well transplanted, strong plants.

- AMOR PRIVET.** 25, \$2.25; 100, \$8.50.
CALIFORNIA PRIVET. 25, \$2.00; 100 for \$7.50.
BARBERRY THUNBERGI. Each, 35c; 12 for \$3.00.

VINES

- BOSTON IVY (Ampelopsis, Veitchii).** Each, 60c.
CLEMATIS, White Cluster. Each, 60c.
CLEMATIS, Violet Purple. Each, \$1.00.
CLEMATIS, Crimson Red. Each, \$1.00.
KUDZU VINE. Each, 40c.
HONEYSUCKLE VINE, three varieties. Each, 50c.
VIRGINIA CREEPER. Each, 60c.
WISTARIA, Purple-White. Each, \$1.00.

SHADE TREES

- CHINA UMBRELLA.** Each, \$1.00.
ELM, AMERICAN WHITE. Each, \$2.00.
FLOWERING PEACH. Red, pink and white. Each, \$1.00.
MAPLE, SILVER. Each, \$2.00.
POPLAR, LOMBARDY. Each, \$1.00.
MAGNOLIA GRANDIFLORA. Each, \$2.50.
MAPLE, SUGAR. Each, \$2.50.
RED BUD JUDAS TREE. Each, \$2.00.
UMBRELLA TREE, Catalpa Bungeii. Each, \$2.50.
WEeping WILLOW. Each, \$2.00.

PRIVET LIGUSTRUM

Specimen plants do well in any location.

- JAPANESE PRIVET.** Each, \$1.00.
LUCIDUM PRIVET. Each, \$2.50.
NEPAUL PRIVET. Each, \$2.50.

BEDDING EVERBLOOMING ROSES

All two-year-old field grown hardy plants. Set this spring and they will bloom the coming fall. Prices uniform, any variety; each, 75c; 10 for \$6.00.

- ALEX HILL GRAY.** Lemon yellow.
ETOILE DE LYON. Golden yellow.
HADLEY. Deep rich red.
GENERAL JACQUEMINOT. Brilliant red.
GRUSS AU TEPLITZ. Fiery crimson.
KAISERIN AUGUSTA VICTORIA. Large white.
MADAM BUTTERFLY. Apricot pink and gold.
PAUL NEYRON. Brightest pink.
PINK MAMAN COCHET. Beautiful pink.
PRESIDENT TAFT. Deep pink.
PINK RADIANCE. Rich pink.
RED RADIANCE. Clear red.
SUNBURST. Deepest golden yellow.
WM. A. SMITH. Large pink.
WHITE MAMAN COCHET. Waxy white.

CLIMBING ROSES

Two-year-old field grown hardy plants. Set in the spring for blooming the following fall. Price, each, 75c; 5 for \$3.00.

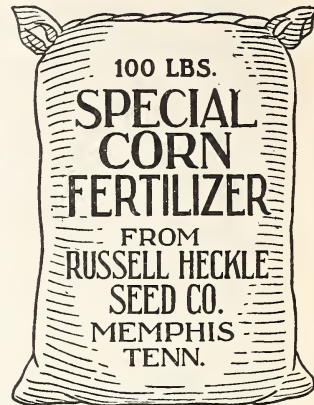
- CRIMSON RAMBLER.** Vivid crimson.
CLIMBING AMERICAN BEAUTY. Rich red.
DOROTHY PERKINS. Shell pink.
PAUL'S SCARLET CLIMBER. Brilliant scarlet.
RED DOROTHY PERKINS. Crimson scarlet.
WHITE DOROTHY PERKINS. Pure white.

R.-H. CO'S FERTILIZERS

How to Use Fertilizers

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant. Fifty pounds of garden fertilizer is sufficient for a garden 40x50 feet.

The best way to apply fertilizers to field crops is to use a fertilizer drill. Otherwise sow broadcast after planting, then harrow into the soil as thoroughly as possible. For all field crops, use 200 to 400 pounds per acre, according to the soil.



The Kind of Fertilizer to Use

For all garden crops, beans, peas, cabbage, tomatoes, etc., use Armour's Truck Guano, Redd's Fancy Fertilizer or Swift's Vigoro.

ARMOUR'S CORN FERTILIZER. A special mixture for increasing the corn crop.

ARMOUR'S COTTON FERTILIZER. Will make cotton open earlier and increase the yield.

ARMOUR'S ACID PHOSPHATE. Adds the needed phosphate. Can be used on gardens, lawns, clovers, grasses, oats, wheat, alfalfa, etc.

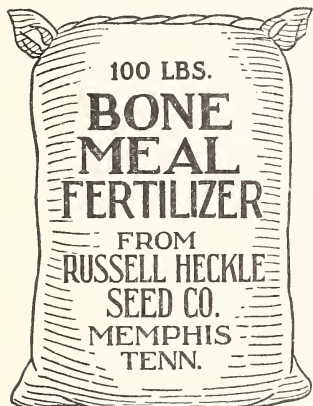
BONE MEAL. Fine for fruit trees, grape vines, roses and all vegetable crops. It is very high in phosphoric acid.

NITRATE OF SODA. Increases the yield and hastens maturity on all crops such as oats, wheat, corn, cabbage, potatoes. Nitrate of Soda will burn, so be careful and do not put directly on the plants. Sprinkle it five or six inches away from the plant, in broadcasting it. Mix with dry soil and then scatter.

SHEEP MANURE. Fine for lawns or gardens. Furnishes both humus and nitrogen. Broadcasting on lawns is the proper way to use sheep manure. On garden crops sprinkle in the drill, or as a side dressing sprinkle by the side of plants.

SULPHATE OF AMMONIA. For all farm and garden crops, fruit trees, etc. A wonderful plant food.

KAINIT. For cotton, prevents rust and increases the crop.



Bone Meal Fertilizer—

Our Bone Meal is made from pure, raw bones and contains a higher percentage of plant food than that prepared from steamed bone. We guarantee our Bone Meal to analyze 27 per cent Phosphoric Acid and not less than 2.47 per cent Ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, geraniums, ferns, palms, and other potted plants; and for grass crops. Whether for pasture, hay or lawn, Bone Meal will be found not only a valuable fertilizer but a cheap one. It dissolves gradually, supplying food steadily during the growing season. Price, 4 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$3.25; by parcel post, 4 lbs., 45c.

Russell-Heckle's Pulverized Sheep Manure—

A pure natural manure, free from all noxious weeds, and unequaled as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. We do not hesitate to recommend this excellent fertilizer as a good general source of high grade plant food; it will keep your lawns and plants green and flourishing during the growing season and protects them during the winter.

Russell-Heckle's Pulverized Sheep Manure has no rival:

For Fertilizing your Trees.

For Window Boxes and House Plants.

For the Garden.

Remember that Pulverized Sheep Manure is aged for several years and will not burn your plants, no matter in what quantities you use it—but as it is highly concentrated a little goes a long way.



Used for top dressing, mulching, etc.

Valuable in a run-down city garden, as it adds humus and vegetable matter which are essential for all vegetation.

It may also be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1000 lbs. per acre.

Makes the richest and safest liquid manure, using 1 lb. to 5 gallons of water once a week.

Prices, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 85c; 50 lbs., \$1.40; 100 lbs., \$2.50; ton or 2,000 lbs., \$40.00. By parcel post, 5 lbs., 50c; 10 lbs., 75c.



Should be used liberally about the garden for pot plants, window boxes, and for bulbs. Unexcelled as a mulch for plants of all kinds, fruit trees, etc. 1 lb., 15c; by parcel post, 25c. Per bale, 13 cubic feet, \$4.75.

STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

Stim-U-plant, is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Price, 10 tablets for 15c; 30 for 25c; 100 for 75c; 1,000 for \$3.50. By parcel post, 10 tablets, 18c; 30 tablets, 28c; 100 tablets, 80c; 1,000 tablets, \$3.60.



Makes 'em Grow

For potted plants, sweet peas, roses, bergonias, ferns, cut flowers, shrubs, lawns, berries, garden—all plant life.

GUARANTEED ANALYSIS. Nitrogen, 14%; potash, 12%; available phosphoric acid, 10%. Net weight, 8 oz. Price, 50c, by parcel post, 60c; small package, 15c; parcel post, 20c.

Arcadian Sulphate of Ammonia



Arcadian Sulphate of Ammonia is guaranteed to contain 25 1/4% of Ammonia, or 20 3/4% of Nitrogen, furnishing as much nitrogen in 100 pounds as is contained in 134 pounds of Nitrate of Soda, 296 pounds of Cottonseed Meal, 1,000 pounds of ordinary fertilizer, or 2 tons of stable manure.

On fruit trees, grapes, strawberries. For vegetables, potatoes, grain, Timothy, corn and cotton, Sulphate of Ammonia will bring big yields.

On cotton apply 100 pounds per acre at the time of planting or as a top dressing early in the growth of the plant.

For fertilizing lawns use 1 lb. to 20x20 or 400 square feet and be sure to wet the soil after broadcasting the Sulphate of Ammonia to prevent burning.

A "Made in America" product; it is "The Great American Ammoniate."

Write for pamphlets giving directions for different crops in detail. Price 2-lb. package, 35c; by parcel post, 50c. Prices on larger quantities quoted on application.

Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil.

The physical condition of the garden soil is of the most importance and lime will loosen up the ground just right. Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens if lime has never been used before.

No one thing will do so much to assure success of the home garden as lime.

For lawns scatter lightly and evenly at the rate of two to three pounds per 100 square feet. Several light applications are better than one heavy dose.

CAUTION—Do not use bare hands and do not let any flying lime get into the eyes. Tie a handkerchief over the forehead to protect the face. If seeds are to be sown put lime on a week before planting. Apply the lime as early in the spring as possible.

Price, 10-lb. bag 50c; 40-lb. bag, \$1.00, f. o. b. Memphis.

Uspulun

Stimulates growth, protects germinating seed and tender seedlings from injury by decay producing organism in the soil. Kills plant diseases without injuring the seed.

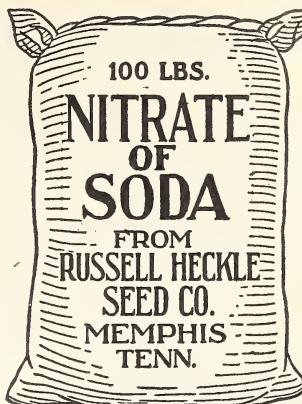
Controls Brown Patch disease of golf greens and lawns. Use 1 oz. to 3 gallons water which will treat 28 square feet.

Ask for leaflet on Bayer's USPULUN. Price f. o. b. Memphis. 2 oz. tin, 50c; 8 oz. tin, \$1.60; 5 lbs. in bulk, \$2.60 lb. USPULUN being a poison is not mailable.

Redd's Fancy Fertilizer

Redd's Fancy Fertilizers are fine for flower gardens, vines, shrubs, fruit and shade trees, strawberry plants, new and old lawns. Booklet and complete directions for using Redd's Fancy Fertilizer come with every package. Price 10 lb. package, 50c f. o. b. Memphis.

Dust the Irish potatoes with Arsenate of Lead to kill the potato beetles. Also dust cabbage plants with Arsenate of Lead to destroy cabbage worms.



Nitrate of Soda

Nitrate of Soda is power. It can be used on all field and garden crops, either mixed with the soil or applied after crops are up and growing. It requires about 150 lbs. of Nitrate of Soda to the acre. Application of Nitrate of Soda not only increases the yield, but also makes crops mature earlier, and in case of drought the plants will stand the dry spell wonderfully good. For shade trees, fruit trees, strawberries, Nitrate of Soda is a wonder worker. Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Take a handful of Nitrate of Soda and scatter it on your lawn and watch the results in about ten days' time. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them

more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

Prices: 4 lbs., 25c; 15 lbs., 80c; 25 lbs., \$1.35.

Prices on larger quantities quoted on our green ink price sheet.

Armour's Big Crop Fertilizer

Every one knows how good they are and what a big increase in the crop they will make. You want the best in Fertilizer; it pays its end. Ask for prices on any of the following:



	Phosphate	Nitrogen	Potash
Armour cotton fertilizer.....	15%	4-11/100s	5%
Armour cotton fertilizer.....	12%	3-30/100s	4%
Armour cotton fertilizer.....	10%	2-47/100s	3%
Armour truck fertilizer.....	10%	3-30/100s	4%
Armour truck fertilizer.....	8%	2-47/100s	3%
Armour corn fertilizer.....	16%	3-30/100s	4%
Armour Acid Phosphate.....	16%		
Armour Super Phosphate.....	20%		
German Kainit			12%

Write for special prices; state quantity you wish.

Vigoro

All plants need VIGORO. Use it on your lawn, flowers, shrubbery, and trees, and beautify your home. Use VIGORO on your garden and grow vegetables that are succulent, crisp, and delicious in flavor.

Care should be taken that VIGORO never comes in direct contact with the plants or seed. After applying VIGORO, wet down thoroughly.

In each bag is placed a booklet, giving full instructions as to the application of VIGORO.

Price, 25 lb. bag, \$1.50; 50 lb. bag, \$2.50; 100 lb. bag, \$4.50.

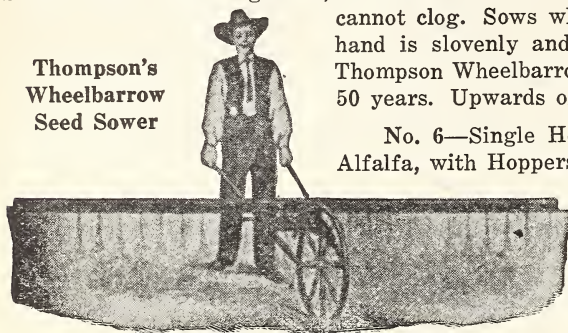


SEED SOWERS, PLANT BANDS, ETC.

Thompson's Wheelbarrow Seed Sowers

Never mind the wind. Sow any time. The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. Few working parts and those all fool proof. Sows evenly. The seed is never bunched. Seed is sown close to ground, hence the wind does not blow it. Mud does not interfere with the working as it cannot clog. Sows when in gear and does not sow when out of gear. Sowing by hand is slovenly and wasteful. The safe, sure and economical way is with the Thompson Wheelbarrow Grass Seeder. These Seeders have been made and used for 50 years. Upwards of 400,000 in use.

Thompson's
Wheelbarrow
Seed Sower



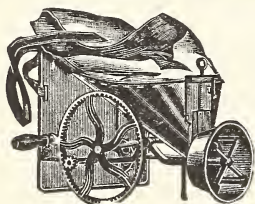
No. 6—Single Hopper Seeder sows all small seeds like Clover, Timothy and Alfalfa, with Hoppers 14 and 16 feet long.

Price complete with 14 ft. Hopper, each.....\$12.00
Price complete with 16 ft. Hopper, each..... 14.00

No. 3—14 feet. Deep Hopper Seeders sow Lespedeza, Clover, Timothy, Alfalfa in larger quantities than the No. 6.

Price complete with 14 ft. Hopper, each..\$14.50

No. 12—14 foot hopper with wire agitator..... 12.50



Cahoon Broadcast Seed
Sower

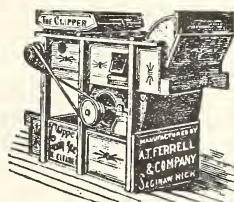
Cahoon Broadcast Seed Sower

One of the best seeders manufactured, and sows all kinds of grain, clover, seeds, etc. Price, each, \$4.25; by parcel post, \$4.60.



Cyclone Seed Sower

Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate, which insures a uniform flow of seed. Price, each, \$2.25; by parcel post, \$2.45.



Clipper Seed and Grain Cleaners

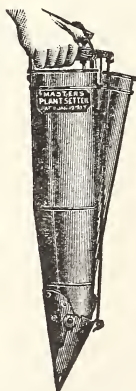
The Standard Seed Cleaner and separator with vertical air blast will clean and separate seed like Lespedez, Clover, Soy Beans, Seed Corn, Wheat, Sorghum, Kafir Corn, Cow Peas, etc.

Price, No. 1B Clipper Seed Cleaner, capacity 10 bushels per hour, with 12 screens, each, \$38.50.

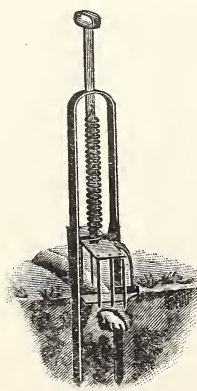
Screen for Lespedeza seed, extra, \$2.50.

Price, No. 2B Clipper Seed Cleaner, capacity 20 bushels per hour with 12 screens, each, \$43.50.

Screen for Lespedeza seed, extra, \$2.50.
Larger outfits priced on request.



Master's Rapid
Plant Setter



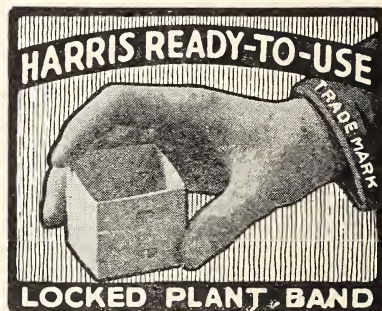
Little Giant
Mole Trap

Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants. Each plant is set, watered and covered in one operation without any stooping or lame backs. Price, each, \$6.25; P. O. B. Memphis.

Little Giant Mole Trap

Has a patent setting attachment one of the very best mole traps on the market, well made, durable. Price, each, \$1.00; by parcel post, \$1.25.



Harris Dirt Bands

Have the earliest vegetables. Start your plants early. Place them in bands and by having large plants to set out, gain several weeks on the season.

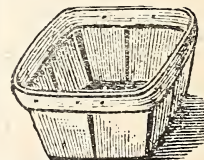
2x2 dirt bands, no bottom, 250, \$1.25; 1,000, \$2.75; case of 5,000, \$12.50; by parcel post, 250, \$1.40.

3x3 dirt bands, no bottom, 250, \$1.50; 1,000, \$4.00; case of 2,500, \$9.00; by parcel post, 250, \$1.70.

3x3 Dirt Bands with bottom, 250, \$2.00; 1,000, \$4.75; case of 2,000, \$8.75; by parcel post, 250, \$2.20.

Veneer Tree Protectors

Prevents damage to young trees from eating by rabbits. Doz., 35c; by parcel post, 45c; 100, \$2.50.



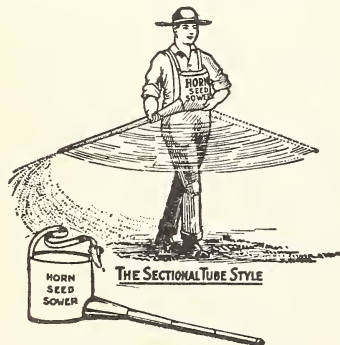
1 quart Strawberry Boxes, 100, \$1.25; 1,000, \$11.00; by parcel post, 100, \$1.60.

3-quart Peach or Tomato Baskets, per 100, \$2.00; by parcel post, 100, \$2.40.

Steel Measures

Extra strong and durable, superior to the old-style wooden measures.

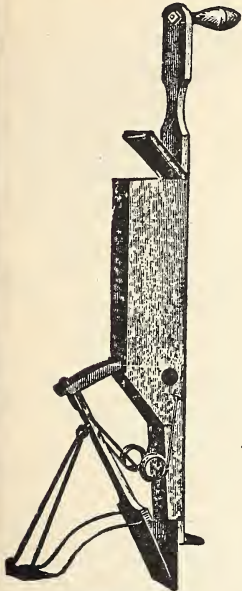
Steel Measures, 1-qt., 35c; parcel post, 45c.
Steel Measures, 2-qt., 40c; parcel post, 50c.
Steel Measures, 4-qt., 50c; parcel post, 65c.
Steel Measures, 1-pk., 60c; parcel post, 75c.
Steel Measures, 1/2-bu., 75c; parcel post, 95c.



The Horn Seed Sower

A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and grasses. Price, \$1.00; by parcel post, \$1.10.

R.-H. CO.'S GARDEN PLOWS, FLOWER POTS, ETC.



Segment Hand
Corn Planter

Segment Hand Corn Planter

Can be adjusted to plant two or more grains to the hill. Can also be used for dropping Soy Beans or Cow Peas. Price, \$1.50. Not mailable.



Wire Hanging
Flower Basket

Wire Hanging Flower Basket

8-inch; each.....	20c;	parcel post.....	30c
10-inch; each.....	30c;	parcel post.....	40c
12-inch; each.....	35c;	parcel post.....	50c
15-inch; each.....	50c;	parcel post.....	70c



Standard Flower
Pot and Saucer



Neponset
Paper Flower
Pot



Flower Plant Tub

Standard Flower Pots

Packing charge for each separate order, \$1.00.

Without saucers	Doz.	Per 100	Each	Dozen	
3-inch	\$0.40	\$2.50	7-inch	\$0.25	\$ 2.50
4-inch .....	.60	4.00	8-inch .....	.40	4.50
	Each	Dozen	9-inch .....	.50	5.00
5-inch	\$0.10	\$1.00	10-inch .....	.60	6.00
6-inch .....	.15	1.50	12-inch	1.10	12.00

Flower Pot Saucers

	Each	Dozen
4-inch	\$0.04	\$0.35
5-inch .....	.05	.50
6-inch .....	.08	.90
7-inch .....	.10	1.25
8-inch .....	.20	2.00
10-inch .....	.35	3.50
12-inch .....	.50	5.00

Neponset Paper Flower Pots

These are made of heavy Neponset Paper and are nearly equal to the stoneware pots. 2½-inch: 100, 60c; 1,000, \$5.00; by parcel post, 100, 60c; 3-inch, 100, \$1.00; 1,000, \$7.50; by parcel post, 100, 85c.

Bulb, or Half Pots

	Each	Dozen
6-inch	\$0.15	\$1.50
7-inch .....	.25	2.50
8-inch .....	.40	4.50

Azalea, or 3-4 Size Pots

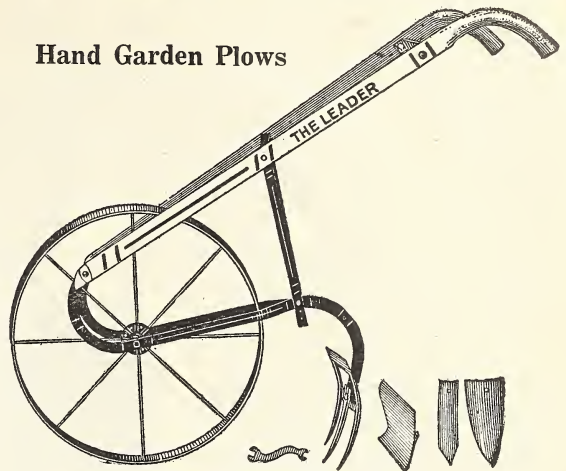
	Each	Dozen
6-inch	\$0.15	\$1.50
7-inch .....	.25	2.50
8-inch .....	.40	4.50

Flower Plant Tubs

Made from selected white cedar, bound with strong hoops. These are very durable. Prices f. o. b. Memphis, as follows:

	Each
No. 8, 13 in. in diameter..	\$2.50
No. 10, 15 in. in diameter..	3.00
No. 12, 17 in. in diameter..	3.50
No. 14, 19 in. in diameter..	4.00

Hand Garden Plows



No. 2 Leader Garden Plow

The most inexperienced and ignorant laborer on earth can handle these tools with entire success. All kinds of work can be done with these plows and combination of tools; plowing and breaking of the ground in spring and harrowing, cultivating and weeding. No. 2—Leader Garden Plow, wood handles, complete with 5 tools, \$3.50. No. 22—Bateman Hand Garden Plow with mold board, only \$1.75.

Pruning Shears

	Parcel Post
No. 50—9 in. Shears, each.....	\$1.00
No. 65—9 in. Shears, each.....	1.50
No. 14—6 in. Shears, each.....	1.70
No. V20—24 in. Lopping Shears.....	1.60
No. V50—Grass Shears	2.50
8 inch Hedge Shears, each.....	.90
No. 320—Tree Pruner less handle, each.....	1.50
No. 83—Garden Trowel Set, 3 pieces, each.....	2.75
	1.50
	.95

Glass Cloth or Cel-O-Glass

(See cut at foot of page.)

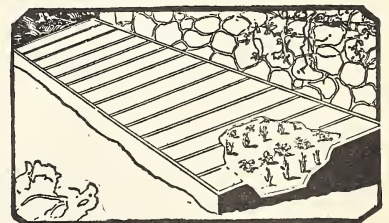
Will take the place of glass in hot bed sash windows, in poultry houses, etc., unbreakable, light in weight, no glazing; hammer and tacks are the only things needed. Put up in rolls 36 inches in width. Price per square yard, 40c; by parcel post, 60c.

Prices on large quantities quoted on application.

Maid Rite Cotton Picking Sacks

Our Maid Rite quality of Cotton Picking Sacks will please your hands. We have them in 7 oz. and 8 oz. duck, also in 7 oz. Osnaburg cotton goods in sizes 4½, 6, 7½ and 9 foot, standard style, that are guaranteed to be right.

Prices named on application. Don't fail to write us—we can save you money.



Raise Plants and Vegetables Under Glass-Cloth
Covered hot beds or coldframes. Have these luxuries for your table—or to sell—weeks before the regular season. Many claim Glass-Cloth grows them better than glass. There is big money in raising plants to sell.

(See Price Glass Cloth above)

R.-H. CO.'S SPRAY MATERIALS AND INSECTICIDES



These Trees Were Sprayed

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up to date and have in stock the very newest and best materials for spraying at all times.



Poisonous insecticides and liquids are not mailable. Prices are F. O. B. and subject to fluctuations, Memphis, buyer paying carriage charges, excepting where priced parcel post paid.



These Trees Were Not Sprayed



ARSENATE OF LEAD—Kills every insect that eats it; superior in every way to Paris Green, as it does not burn or scald the foliage; can be used dry as a powder or as a solution in water. $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 4 lbs., \$1.40. Not mailable.

ARSENATE OF ZINC—Kills quickly and does not burn or injure the plant. Use 2 lbs., to 50 gallons of water. Arsenate of Zinc sticks to the vine or leaf so that it is not necessary to respray after every rain. It can be used with Bordeaux Mixtures. Prices, 1 lb., 50c; not mailable.

BI-SULPHIDE OF CARBON—For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb., 70c; not mailable.

"Black Leaf 40" Kills Aphids
40% NICOTINE

BLACKLEAF 40—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insect. Oz. bottles, 35c; $\frac{1}{2}$ -lb. tin, \$1.25; 2-lb. tin, \$3.30; 10-lb. tin, \$13.50. Not mailable.

BLACKLEAF 40 DUST F-1—Sure death to aphids. Apply dry as it comes from the can. 5 lb. can, \$1.25. Not mailable.

BLACKLEAF 40 DUST F-2—Extra strong, for all sucking insects. 5 lb. can, \$1.50. Not mailable.

BORDEAUX MIXTURE DRY—The new form of Bordeaux will keep indefinitely; cures and controls blight. 1 lb., 30c; 4 lbs., \$1.00. Not mailable.

BORDEAUX WITH ARSENATE OF LEAD DRY—Controls all fungus troubles and insects. $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 4 lbs., \$1.60. Not mailable.



BUG DEATH—Very safe, being non-poisonous; effective on all garden insects. Price by freight, lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 12 $\frac{1}{2}$ lbs., \$1.25; 100 lbs., \$8.50; parcel post, 1 lb., 30c; 3 lbs., 60c; 5 lbs., 80c; 12 $\frac{1}{2}$ lbs., \$1.70.

B. T. S.—A scientific preparation combining insecticidal and fungicidal properties; one of the most remarkable sprays yet discovered as it is less liable to cause injury to trees or plants which is the case with Lime Sulphur and some other preparations.

B. T. S. may be used both for a dormant and growing period application in place of Lime Sulphur.

For dormant spray to control scale use 1 lb. to 5 gallons of water; to control Peach Leaf Curl, use 1 lb. to 4 gallons of water in the dormant stage.

For growing period on apple use $1\frac{1}{2}$ to 2 lbs. to 50 gallons of water. It combines with Arsenate of Lead and gives fine results. B. T. S. should not be used on peaches or plums in the growing period. We recommend Dritomic Sulphur for this spray. Price, B. T. S., 5 lb. pkg., \$1.00; f. o. b. Memphis.

CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. 1 lb., 35c; 4 lbs., 80c. Not mailable.

CORROSIVE SUBLIMATE—Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 to 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. Price, 1 lb., \$2.50; by express or freight only. Not mailable.

DRITOMIC SULPHUR—Combines the excellent qualities of atomic sulphur in dry powdered form. It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. Always use Kayso as a binder when using Dritomic or Atomic Sulphur; the Kayso makes the material stick. The use of Dritomic Sulphur will prevent all fungus troubles, bitter and brown rot, scab, etc. Full directions and circulars on request. Price, 4-lb. pkg., \$1.00; by parcel post, 4-lb. pkg., \$1.20.

FISH OR WHALE OIL SOAP WITH POTASH—Prevents and cures aphids, lice and other troubles on plants and trees. 1 lb., 35c; 5 lbs., \$1.50; by parcel post, 1 lb., 45c; 5 lbs., \$1.60.



FORMALIN—Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only, 1 lb. bottle, 90c. Not mailable.

GRAFTING WAX—Used for grafting scions on trees. $\frac{1}{2}$ lb., 35c; by parcel post, 45c.

GRAPE DUST—Prevents and cures blight on all plants; very effective on roses; not poisonous. By freight, 1 lb., 25c; 5 lbs., \$1.00; by parcel post, 1 lb., 35c; 5 lbs., \$1.25.



KAYSO—Prepared casein, a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. Simplifies spraying, makes possible the perfect coating of every part of the tree and leaves. Remember that Kayso is not only a spreader and binder; it makes the poison stick and resistant to

washing effect of rains; also saves material. Don't fail to use it with your spray work; it's inexpensive and effective. Ask for circulars. 2-lb. package is sufficient for 200 gallons spray. Price, 8 oz. can, 35c; 2 lbs., 60c; 10 lbs., \$2.75; by parcel post, 2 lbs., 75c; 10-lb. bag, \$3.00.



LIME SULFUR DRY OR POWDERED—Dry Lime Sulphur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. By freight, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00.

LIME SULPHUR SOLUTION—A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Price, 1 qt., 50c; 1 gal., \$1.00; 5 gals., \$4.00.



LUBRICATING OIL EMULSION—For dormant spray to control scale Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin, No. 933—use $1\frac{1}{2}$ gallons to 48 gallons of water. Price qt., 50c; gal. can, \$1.00; 5 gal. can, \$4.00; f. o. b. Memphis.

R.-H. CO.'S SPRAY MATERIALS AND INSECTICIDES

PARIS GREEN. Has been on the market for many years, and is known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. ¼ lb., 25c; 1 lb., 50c; 5 lbs., \$2.00. Not mailable.



PARADOW OR PARADICHLORBENZENE. Peach Tree Borer control. Discovered at last, a sure cure for peach tree borer. Time of application, Sept. 25 to Oct. 31. Method of application, applied to the soil around the tree, making a little trench and then covering. The fumes descend downward, killing all the borers and other insects around the roots. Paradichlorbenzene must not be used on any trees under 5 years old, as it is very powerful and will harm young trees. No danger in handling this wonderful discovery as it is non-poisonous to man. Price per pound, which is enough for 16 trees, 60c; 5 lbs., \$2.25; 10 lbs., \$3.50; by parcel post, 1 lb., 70c; 5 lbs., \$2.45; 10 lbs., \$3.75.

PEACH MIX. A summer spray on peaches and plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Why bother to make your own self boiled Lime Sulphur when you can get this.

Since its introduction we have sold it to hundreds of customers and the results obtained have been excellent, not only in the control of brown rot and other peach diseases but in the marketing value of the peaches.

Use 1 lb. to 5 gals. of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture.

This to control brown rot, scab, leaf spot and curculio, second spray two weeks later with the same; third spray about two weeks before ripening; to control brown rot this last application is important—don't miss it.

Price, Peach Mix, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; by parcel post, 1 lb., 45c; 5 lbs., \$1.40; 10 lbs., \$2.25.

POMO DUST. For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. This preparation contains several different chemicals that will absolutely correct black spot on the rose plant.

Price, 1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$3.75; 100 lbs., \$12.00; by parcel post, 1 lb., 45c; 5 lbs., \$1.50.

SULPHUR POWDERED. Will prevent and cure mildew; should be used on all roses in the spring; apply dry. By freight, lb., 25c; 10 lbs., \$1.50; 100 lbs., \$9.50; by parcel post, lb., 35c.



PYROX—Destroys insects and prevents blight all at one spraying; a combination of Bordeaux, Paris Green and Arsenate of Lead. Especially recommended for tomato blight, etc. Lb. jar, 50c; 5 lbs., \$2.00; 10 lbs., \$3.50. Not mailable.



SCALECIDE (THE MISCIBLE OIL SPRAY MATERIAL). Cures and prevents San Jose scale. One of the best dormant sprays; easy to apply; not poison. By freight only. Qt., 60c; gal., \$1.40; 5 gal., \$6.25; 2 5-gal. cans, \$10.60; 15-gal. drum, \$13.50.

SULFOCIDE (PRATT'S). A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., 50c; qt., 75c; gal., \$2.25. Not mailable.



SLUG SHOT. Especially effective against cut worms and is not poisonous. Price, by freight, lb., 20c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 125-lb. keg, \$12.50; parcel post, lb., 30c; 5 lbs., 75c; 10 lbs., \$1.40.

SUNOCO SELF EMULSIFYING SPRAY OIL. For dormant spray provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphids, thrips and other insects that over winter on trees.

Sunoco Oil is also used as a summer spray and as a spreader and sticks with Bordeaux Mixture and nicotine solutions or with Arsenate of Lead.

The sale of Miscible oils for control of tree insects is continually increasing due to the fine results that are being obtained by their use.

Sunoco self emulsifying spray oil is new and better; mixes with cold water and will not separate after once being emulsified; dilute 1 part to 20 parts of water for dormant spray.

Price, 1-gal. can, \$1.50; 5-gal. cans, \$6.25.

SOLUBLE SULPHUR COMPOUND. Dry form for dormant spray only. Use 10 to 12 lbs. to 50 gallons of water. Will control San Jose scale, bark louse, blister mite, apple aphids and many other orchard pests. 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75; 100-lb. drum, \$12.50; by parcel post, 1 lb., 40c; 5 lbs., \$1.20; 10 lbs., \$2.00.

SULPHO TOBACCO SOAP. Kills all insects on plants; simple and effective. By freight, 3-oz. cake, 10c; 8 oz., 25c; parcel post, 3-oz. cake, 15c; 8 oz., 30c.



TREE TANGLE-FOOT. Used as a band on all kinds of trees; will prevent any kind of insects on them. This is one of the most effective treatments for insect troubles. By freight, lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.25; parcel post, lb., 60c; 3 lbs., \$1.55; 5 lbs., \$2.40.

TOBACCO DUST. Especially desirable for use against lice and sucking insects. By freight, lb., 25c; 10 lbs., \$1.00; by parcel post, lb., 35c.

TUBER TONIC. A new preparation especially made to kill potato beetle and at the same time act as a tonic for the plant. Lb., 50c; 5 lbs., \$2.25. Not mailable.

WEED KILLER (Atlas). Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. Price, gal., \$1.75.

TREE KILLER (Champion). For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening.

Directions—Chop all around the tree about one or two feet from the ground, making a downward cut one or two inches deep; then pour a small amount of the Tree Killer in the cut, going all around the tree. Price, gal., \$1.25; F. O. B. Memphis.

Bargain Sale of Insecticides All F. O. B. Memphis

Blight and Bug Death Mixture, 1 lb., 40c; 3 lbs., \$1.00.

Copper Sulphate Solution, qt. can, 35c.
Lotol for Aphids, 1 oz., 25c; 3 oz., 50c.
Kerosene Emulsion, pt., 25c; qt., 40c.
Thrip Juice, ½ pt., 25c; pt., 40c.
Insect Checker, box, 20c; 5 boxes, 75c.
Insecto, 1-lb. can, 25c; 5-lb. can, 75c.
No. 40 Dust, 1-lb. box, 25c; 3 lbs., 60c.

Spray grapes with Bordeaux Mixture as soon as the flowers have dropped and the fruit set. To protect from birds and to prevent rot, bag the grapes when the berries are about the size of okra seed. Use No. 2 manila bags for the Delaware and the other small bunch varieties and the No. 3 bags for the Niagara, Concord and the other large bunch sorts. Make a slit in the bottom of the bag for drainage, and then slip the bag over the bunch and fold the corners over and fasten with a pin.

Cultivate the grapes throughout the growing season.

RUSSELL-HECKLE'S SPRAY PUMPS

Our Line of Orchard, Bucket and Hand Sprayers is complete. Special Catalogues of the Larger Outfits Mailed on Application

Portable Sprayers



HUDSON No. 36 SUNSHINE SPRAYER. This wheelbarrow sprayer fits the needs of the florist or nursery man, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards and truck gardens; for whitewashing poultry houses and dairy barns; spraying stock dips, treating ornamental shrubbery, flowers, etc.

Pump is fitted with dasher type agitator. Valves are bronze balls mounted in a brass cage, accessible without dismantling the pump. Tank is heavy galvanized steel; capacity $12\frac{1}{2}$ gallons. Discharge equipment consists of 5 feet of $\frac{3}{8}$ -inch, 5-ply spray hose, angle spray nozzle and two foot iron pipe extension. Price, each, \$15.50.

HUDSON No. 32 IDEAL PORTABLE SPRAYER. Equipment, tank 12 gallons, portable, attached to an iron wheel-barrow frame with wheel; 10 feet $\frac{3}{8}$ -inch pressure hose; 10 foot pipe extension; 1 T shut-off cock; 1 nozzle. Weight, 65 lbs. Price, \$22.00.

HUDSON No. 33 IDEAL. Differs from No. 32 in that it is equipped with a reserve air pressure gauge and tank. Once the desired pressure has been reached this reserve air chamber enables the operator to maintain an even high pressure without pumping. No. 33 Ideal Sprayer, galvanized supply tank. Price, \$31.00.

MYERS No. R336B PORTABLE SPRAYERS. Capacity $12\frac{1}{2}$ gallons, tank made of heavy galvanized iron, equipped with portable wheel-barrow frame; has cog gear spray pump, agitator with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension; this is a handy equipment, fully guaranteed. Price, complete, \$21.50.

Knapsack Spray Pumps



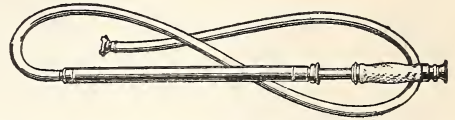
AUTO No. 5 BRASS SPRAY PUMP. A double-acting general purpose bucket and barrel pump, made entirely of brass. Can be used in the garden or orchard. Each, \$4.50; by parcel post, \$4.90.

Auto Knapsack Tank for No. 5 Pump, each \$3.50; by parcel post, \$4.00. Auto Extension Elbow for No. 5 Sprayer, each, 60c; by parcel post, 70c.

MYERS No. 330. Galvanized Knapsack Sprayer, each, \$11.50.

MYERS No. 331. Brass Tank Knapsack Sprayer, each, \$16.00.

Standard Brass Spray Pumps

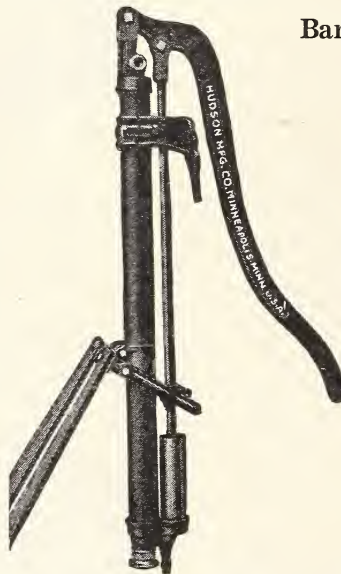


A pump gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, potatoes or garden crops and poultry houses, and will also spray whitewash satisfactorily.

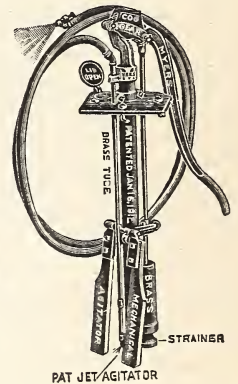
Standard Brass Spray Pumps with three nozzles, each, \$5.00; by parcel post, \$5.40.

Standard Galvanized Knapsack Tank, each, \$4.00; by parcel post, each, \$4.40. Standard Potato Extension Attachment, all brass. Each, \$1.00; by parcel-post, each, \$1.10.

Barrel or Orchard Spray Pumps



Hudson No. 4A



Myers No. R318B

These are capable of doing a large amount of work with ease; can be used from a wagon or attached to a drag, and all come complete with hose and spray nozzles.

HUDSON No. 4A. Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient. Price of pump with agitator hose and nozzle, no barrel, each, \$13.00.

MYERS No. R305. Orchard Pump, complete barrel sprayer, hose agitator and nozzle. Price without barrel, \$13.50.

MYERS No. R318B. Orchard Pump, extra heavy barrel

sprayer, hose nozzle and agitator. Price of pump complete without the barrel, \$14.50.

HUDSON No. 27 SPRAY BOOM. Equipped with four nozzles adjustable for rows 32 to 42 inches apart; can be used in connection with any barrel sprayer, making it an ideal outfit for spraying cotton fields or other crops. Place the barrel with boom attached in any cart or wagon of your own; you can get as good results from the outfit as you can from a higher priced one. Price of boom No. 27, \$12.50.

RUSSELL-HECKLE'S SPRAY PUMPS

Compressed Air Sprayers



HUDSON JUNIOR, No. 140—The Hudson Junior Sprayer is made for the man who needs a high pressure compressed air sprayer smaller than the Perfection 110. It will do any work the larger models can, for it differs from them only in capacity. Tank is galvanized and holds about 2½ gallons. Price, \$4.50. By parcel post, \$4.85.

HUDSON PERFECTION, SPRAYER, No. 110—Tank holds 4 gallons. Unexcelled for whitewash, water, paints, insecticides. Two styles: No. 110G, galvanized tank, \$6.00; by parcel post, \$6.75. No. 110B brass tank, \$9.00; by parcel post, \$9.45.

AUTO No. 1D SPRAYER, galvanized tank, with auto pop. Each, \$6.00. By parcel post, \$6.35.

AUTO No. 1B SPRAYER, brass tank, with auto pop. Each, \$9.00. By parcel post, \$9.40.



Utility No. 280

AUTO No. 62 SPRAYER. A high grade, heavy duty Sprayer of 2½ quart capacity that requires only an occasional stroke of the pump to maintain working pressure. The spray is controlled by a simple thumb trigger. Uses—For spraying garden crops, for use in greenhouses, for handling disinfectants, fly oils and floor oils.

Auto No. 62

Auto-Spray No. 62-A Brass Pump Galv. Tank, \$3.50; by parcel post, \$3.85.

UTILITY No. 280 COMPRESSED AIR SPRAYER. Holds 1½ gallons; just as effective as the larger sizes; can be used indefinitely without tiring the operator. Price, 1½-gal. sprayer, \$3.25; by parcel post, \$3.60.

Dry Powder Sprayers



DUSTER BROWN, No. 2. A very practical duster of new design. It is especially adaptable for use in applying insect powders. The extension is of sufficient length to enable the operator to spray ordinary field crops without bending over. Uses—For spraying dust on tobacco, small garden plots, rose bushes, or in any place where dust is to be applied. Duster Brown No. 2-C, qt., \$1.20.

HUDSON No. 661 DRY POWDER SPRAYER. Useful for applying any dry material, such as Slug Shot, Bug Death, Arsenate of Lead, Calcium Arsenate, etc. Made of heavy tin; capacity about 14 oz. Price, each, 75c; by parcel post, \$1.00.

LOWEL No. 131. Dry Powder Sprayer. Each, 75c; by parcel post, \$1.00.

HAND INSECT POWDER GUN. Each, 25c; by parcel post, 30c.

Spray the apples with Bordeaux Mixture and Arsenate of Lead during the last week in May.

Remember that the peaches must be sprayed every two weeks with the Dritomic Sulphur spray for the control of Brown Rot.

Bucket Spray Pumps



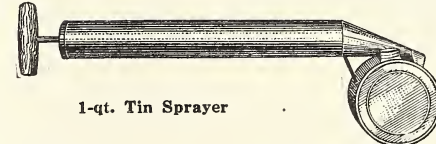
AUTO No. 6. Bucket Spray Pump. Double action; furnished with 3 nozzles, all brass. Price, \$4.50; by parcel post, \$4.85.

MYERS No. 325. Bucket Pump. Makes fine or coarse spray; all brass; provided with a good air chamber. Price, \$4.00; by parcel post, \$4.35.

MYERS No. R324 SPRAY PUMP. This is a combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price with nozzle, \$6.00.

Hand Sprayers

Myers No. R324



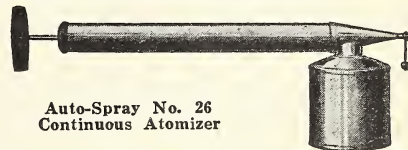
1-qt. Tin Sprayer

These are convenient and especially desirable for small garden spraying, poultry house, etc.

No. 452. One qt. tin sprayer, each, 50c; by parcel post, 75c.
No. 530. Crescent one qt. Glass Jar Sprayer, each, 75c; by parcel post, \$1.00.
No. 202. One pt. Tin Sprayer, each, 40c; by parcel post, 55c.

Compressed Air Hand Sprayers

These make a continuous spray; easier to operate than the regular pump style.



Auto-Spray No. 26 Continuous Atomizer

AUTO No. 26. Pneumatic Compressed Air Hand Sprayers. The most perfect continuous hand sprayers on the market. They are the latest and best of their kind.

AUTO No. 26A. 1 qt., tin pump and tank, 85c; by parcel post, \$1.15.

AUTO No. 26C. 1 qt., brass pump, and brass tank, \$1.30; by parcel post, \$1.55.

Spray Hose

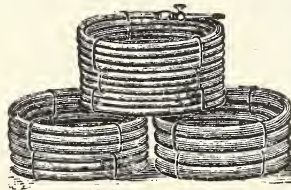
We carry the best quality pure rubber hose.

Three-eighths inch Spray Hose, per foot, 20c.

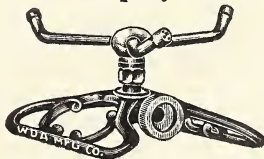
One-half inch Spray Hose, per foot, 20c.

Five-eighths inch Garden Hose, 50 ft. sections, \$6.00.

Three-quarter inch Garden Hose, 50 ft. sections, \$7.50.

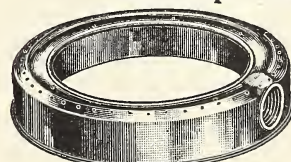


Spray Nozzles and Accessories



No. 2097—Bordeaux Spray Nozzles, each\$0.90 \$1.00
No. 1290—Vermorel Spray Nozzles, each75 .90
Iron Extension Rods, 4 ft. ¾-inch* 1.00
Iron Extension Rods, 8 ft. ¾-inch* 2.00
Bamboo Extension Rods, ¾-inch 6 ft.* 3.50
Bamboo Extension Rods, ¾-inch 8 ft.* 4.00
*Not available.

Lawn Sprinklers and Nozzles

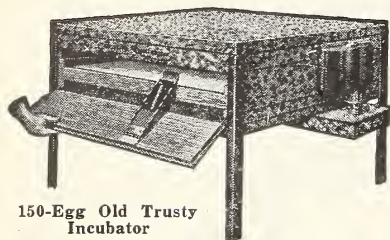


No. 243—Zenith 3 arm Rotary Sprinklers, ea.\$1.50 \$1.65
No. 39—Midget 3 arm Rotary Sprinklers, ea. 1.25 1.40
No. 122—Peerless Spray Hose Nozzle, ¾ in., ea.65 .75
No. 40—Allen Spray Hose Nozzle, ¾ in. ea.75 .85
No. 17—Garden Hose Couplings, ¾ in., ea.30 .40

R.-H. CO.'S INCUBATORS AND BROODERS

We are agents for the following well-known machines. Send for special catalogs. Owing to limited space, we are unable to describe them fully, but will send full catalogs and circulars on request. Prices quoted are all F. O. B. Memphis.

Famous Old Trusty Incubators and Brooders



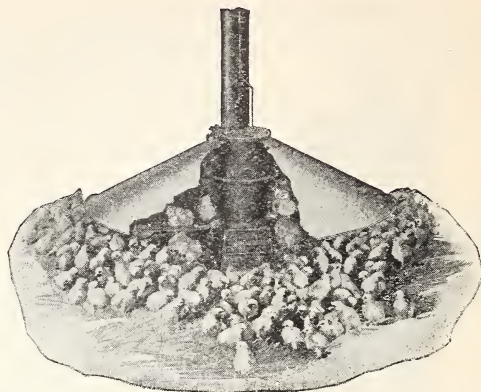
150-Egg Old Trusty Incubator

thermometer holder brings the thermometer out to you when opening the door and returns it to the proper place when closing the door, and therefore no more danger of breaking thermometers.

60 to 70-egg Baby Old Trusty Incubator, each.....	\$15.20
100 to 120-egg Old Trusty Incubator, each.....	19.10
150 to 175-egg Old Trusty Incubator, each.....	21.05
200 to 240-egg Old Trusty Incubator, each.....	27.25
Combination 100-egg Incubator and 100-Chick Brooder, both..	27.55

These hot water machines, with copper tank, have been on the market for nearly 30 years and have given utmost satisfaction.

The improvements are up to date; the automatic advancing



National Coal Burning Brooder

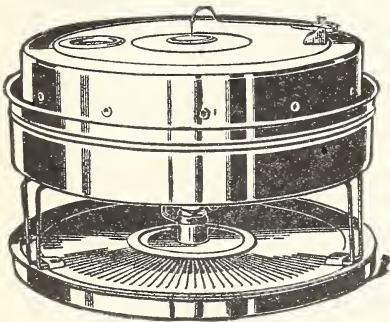
A coal-burning Brooder Stove with an extra heavy fire pot. Will burn either hard or soft coal, as the chimney collar is 5 inches in diameter, equipped with automatic regulator and fully equal to the standard Buckeye Brooders. We guarantee the National Coal-Burning Brooder Stove in every respect.

Ask for complete descriptive circular. Sold on money-back guarantee. Price, with canopy:

No. A—500-Chick National Brooder.....	\$21.50
No. B—1,000-Chick National Brooder.....	26.50

No stove pipe furnished. Any 4-inch piping will answer.

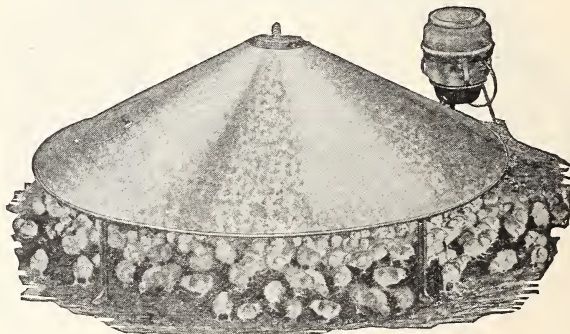
Cycle Hatcher Metal Mother Incubators



50-Egg Cycle Hatcher

These are simple, safe and practical machines for hatching chicks on natural principles. All metal, and will not warp. They have perfect ventilation and are both easy to heat and regulate.

Cycle Hatcher—50-Egg Incubator, each, \$9.00.



National "Blue Flame" Brooder

The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

Made in 3 Sizes

No. 60—34-inch canopy, 200-chick capacity.....	\$17.50
No. 61—42-inch canopy, 350-chick capacity.....	19.00
No. 62—52-inch canopy, 500-chick capacity.....	22.50

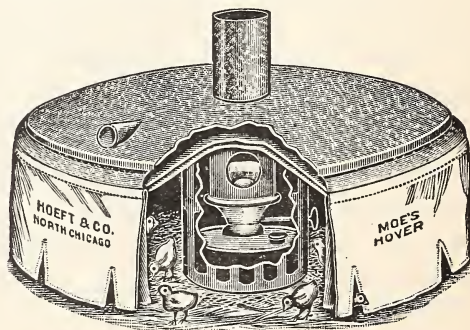
Ask for complete descriptive circular.

Bargain in Incubators

We are closing out the following machines at real bargain prices. They are all new goods. Mostly large machines. We need the room so get one of these. Prices quoted are F. O. B. Memphis, subject to being unsold:

2—No. 0—100-Egg Prairie State Hot Air Incubator, each...	\$21.50
2—No. 1—150-Egg Prairie State Hot Air Incubator, each...	28.50
3—No. 21—135-Egg Style K Queen Hot Water Incubator, each	22.50
1—No. 22—220-Egg Style K Queen Hot Water Incubator, each	29.50
1—No. 4—275-Egg Standard Queen Hot Water Incubator, each	37.50
4—50-Egg Reed Electric Incubators, 110 voltage, each.....	9.50
4—100-Egg Reed Electric Incubators, 110 voltage, each.....	12.50

SPECIAL NOTICE: It may be possible the machine you want has been sold when we get your order so be sure to give us second and third choice in case we cannot supply the exact size Incubator you order from the list, or you can write us first before sending in your order and we will then tell you what we have left out of the bargain sale.



Moe's Baby Chick Hover

Capacity 50 chicks, an excellent hover at a low price. The canopy is heavy, galvanized steel and radiates even heat at all times. It is well made and will last for years if properly taken care of. Price, \$6.50; by parcel post, within 2nd zone, \$6.90.

Lectro-hatch

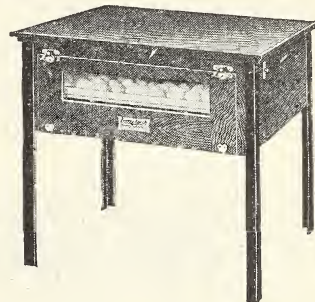
ELECTRIC INCUBATORS and BROODERS

"DO IT ELECTRICALLY!" Lectro-hatch incubators and brooders have made poultry raising safe, easy and certain. Chicks hatched by electricity have the appearance of being a week old the day they're hatched. Even heat and fresh, pure air gives the chick every advantage for life, growth and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt, and DANGER OF FIRE which you are sure to find in other style machines. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it. Think what this means! No lamps to fill, no wicks to trim, no coal to carry, no work or worry of any kind—everything automatic. Costs less than a cent an egg to operate. Lasts a life time.

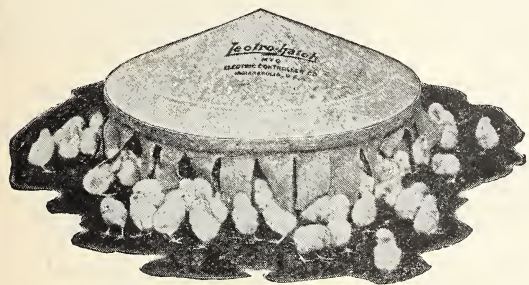
The Lectro-hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-hatch Incubator. Night or day the temperature in your brooder never varies. There are no ups or downs—no frozen or roasted chicks. Chicks breathe fresh, pure air all the time. Pure air, unchanging heat and no crowding will prevent a big part of your usual chick losses. Lectro-hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy, attractive, efficient, and durable.

When ordering Lectro-hatch incubators or brooders, state voltage of your electric current.



MADE IN TWO POPULAR SIZES

150-Chick and 500-Chick



It's all Brooder—No lamp, no stove!

Lectro-hatch

ELECTRIC INCUBATORS

65 egg size	\$ 23.50
150 egg size	38.00
300 egg size	67.00
600 egg size	118.00

Lectro-hatch

ELECTRIC BROODERS

150 chick size	\$18.00
(28 inch diameter)	
500 chick size	23.50
(40 inch diameter)	

Lectro-warm ELECTRIC HEATER

Keeps Drinking Water from Freezing—Needs no Attention—Safe and Economical

Every poultry raiser knows the value of drinking water to laying hens in winter. Water is as necessary as feed. It must be before them all the time—and some means must be provided to keep the water from freezing. Get eggs while egg prices are high.

The Electro-warm Electric Fountain Heater keeps water from freezing, even in zero weather. Set water vessel on heater and turn on current. That's all there is to it. No lamps to bother with, no danger of fire, no adjusting, no regulating, no watching, needs no attention whatever. Cost averages about a cent a day. Can be used with any type fountain, pan or bucket. Same vessel used in summer can be used in winter.

Heater is eight inches in diameter, made of heavy galvanized metal and comes equipped with cord and plug, ready to attach and use. Built to last. Money promptly refunded if unsatisfactory after ten days' trial.

When ordering, state voltage. PRICE, ONLY \$2.50.



Extra Eggs soon pay for this wonderful Heater

R.-H. CO.'S LEG BANDS, INCUBATOR THERMOMETERS, ETC.

Poultry and Chick Leg Bands



RELIABLE LEG BAND. In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. Supplied in colors: Red, White, Blue, Yellow and Green and with numbers from 1 to 100 in all the colors. Packed in envelopes, 12 to 25 bands to an envelope. Will fit Barred Rocks, Rhode Island Reds, Minorcas, Anconas and Leghorns. Price, doz., 25c; 25, 40c; 100, \$1.25; parcel post paid.

IMPROVED CHAMPION LEG BAND

LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., 15c; 25, 25c; 100, 75c; parcel post paid.

LEG BANDS

PERFECTION CELLULOID KEY RING BAND

These slip on like a key ring; cannot drop off; easily removed if necessary. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed and color you want them. Prices as follows, parcel post paid.

	Doz.	50	100
No. 1—Asiatic breeds...	\$0.20	\$0.50	\$0.75
No. 2—Mediterranean breeds .....	.20	.50	.75
No. 3—American or Leghorn .....	.20	.50	.75
No. 4—Bantams .....	.20	.50	.75
No. 5—Pigeon size ....	.15	.40	.60
No. 6—Baby Chick size. .15	.40	.60	



COLOROID (Trade Mark) COIL BABY CHICK BANDS. This is a neat, attractive, and very visible band, easy to apply; can be applied the day chicks are hatched, or later; can be used several times if desired.

We make this band in colors as follows: Red, pink, black, white, dark green. Not numbered. Prices: 25 for 25c; 50 for 40c; 100 for 75c.

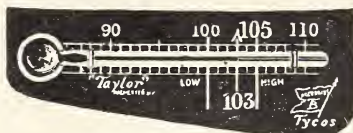
ELITE COLORED PIGEON BANDS.



Made of a special grade of aluminum with colors plain, and has large numbers, superior to any other pigeon band on the market. Colors green, red, white, black, gray, numbered in pairs from 1 to 100. Price, 6 pairs, 12 bands, 25c; 12 pairs, 45c; 24 pairs, 85c; parcel post paid.

THE O. K. CHICK MARKING BAND. These leg bands are made of aluminum, and are adjustable to three sizes. As the chick grows you do not have the trouble of changing bands and hunting up corresponding numbers. Price: Doz., 15c; 100, 75c. Parcel post paid.

Incubator and Brooder Thermometers

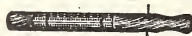


No. 5774. Incubator Thermometer. We handle the celebrated Tyco's Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the thermometer to hang or to stand. Prices as follows:

Incubator Thermometer

No. 5770—Straight pattern, each....\$0.75
No. 5774—Angle pattern, each..... .70
No. 5780—Flat pattern, each..... .70
No. 5782—Certified, each..... 1.25
No. A—Stand Up style, each..... .75
By parcel post, add 10c each extra for postage.

Brooder Thermometer



No. 128—Round style brooder, each...\$1.00
No. 5790—Tyco's Brooder, each..... .50
No. 5794—Tyco's Brooder, each..... .40
No. 5715—Tyco's Dairy, each..... .45
No. 5440—Tyco's Weather, each .30 and .40
By parcel post, add 10c each extra for postage.

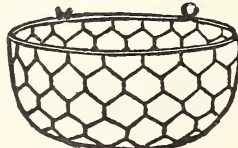
No. 5796 TYCOS INCUBATOR HYGROMETERS. The importance of a correct percentage of moisture during incubation has made the "Tyco's" Incubator Hygrometer as necessary as the "Tyco's" Incubator Thermometer. Price: each, \$1.50; by parcel post, \$1.60.

Petty Poultry Punches



These are made for marking baby chicks by punching a hole in the web between the toes. Very simple and satisfactory. Price, each, 25c; parcel post paid.

Wire Hen's Nests



Made of copper steel wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks. Price, 14-inch nest, each, 35c; 6 for \$1.75; by parcel post, each, 45c.

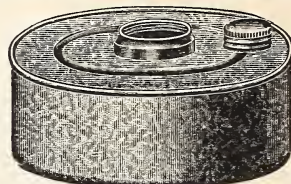
Automatic Chick Greaser



Automatic Chick Greaser

Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Price, each, complete, \$1.00; by parcel post, \$1.20.

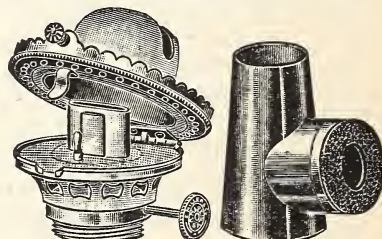
Incubator and Brooder Lamps



No. 3 Incubator Lamp Bowl

No. 1 BOWLS, each 60c; by parcel post, 75c; No. 2 BOWLS, each 75c; by parcel post, 85c; No. 3 BOWLS, each 90c; by parcel post, \$1.00.

Incubator Lamp Burners



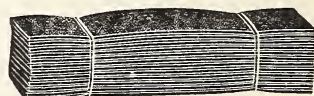
No. 2 Incubator Lamp Burner

Dandy Egg Tester

No. 1 Burner, each, 40c; by parcel post, 50c; No. 2 Burner, each 50c; by parcel post, 60c; No. 3 Burner, 75c; by parcel post, 85c; No. 3 Double Burners, each, \$1.00; by parcel post, \$1.10; No. 2 Chimneyless Burner, each \$1.00; by parcel post, \$1.10; No. 2 O. K. Burner, each 60c; by parcel post, 70c.

The Dandy Egg Tester

Will fit any hand lamp and tests your eggs. Price, each, 35c; by parcel post, 45c.



No. 2 Incubator Cotton Lamp Wicks



Lamp Chimney

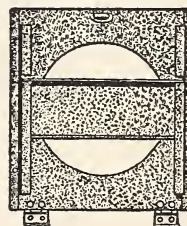
Lamp Wicks

Lamp Wicks (Cotton)—All sizes, 2 for 10c; 12 for 50c; parcel post paid.

Lamp Wicks (Red Felt)—All sizes, 2 for 15c; 12 for 70c; parcel post paid.

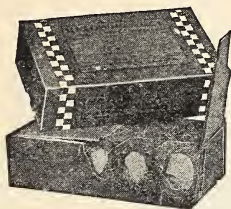
Lamp Chimneys for Incubators and Brooders—Strong metal. No. 1 Chimneys, each 30c; by parcel post, 40c; No. 2 Chimneys, each, 35c; by parcel post, 45c; No. 3 Chimneys, each, 35c; by parcel post, 50c.

Moe's Trap Nest Front



The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each, 50c; by parcel post, 65c.

RUSSELL-HECKLE'S EGG AND CHICK SHIPPING BOXES



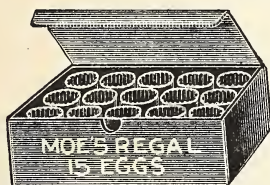
Hatchan Egg Box

Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, protection division boards; easy and quick to pack; a most attractive and safe package. The Hatchan egg box is designed especially for transporting valuable eggs for hatching.

No. 3—15-egg size, each, 25c; doz., \$2.50; by parcel post, 30c; doz., \$2.80.

No. 4—30-egg size, each, 35c; doz., \$4.00; by parcel post, each 45c; doz., \$4.45.

No. 5—50-egg size, each, 45c; 6 for \$2.50; by parcel post, each, 55c; 6 for \$3.00.



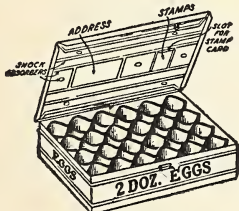
Moe's Regal Egg Boxes

Every egg in a separate cardboard tube protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for setting eggs on the market.

No. 14—15-egg size, each, 25c; by parcel post, 30c.

No. 15—30-egg size, each, 40c; by parcel post, 50c.

No. 16—50-egg size, each, 60c; by parcel post, 75c.



Metal Egg Filler

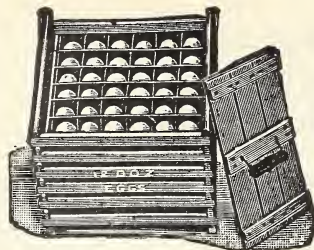
Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safety carrying eggs by mail. Light in weight and very strong.

Size	Weight	By Parcel
1½-doz.—3	Empty	Price Post
2 -doz.—3	lbs.	\$1.25 \$1.32
3 -doz.—4	lbs.	1.50 1.57
4 -doz.—5	lbs.	1.75 1.83
5 -doz.—6	lbs.	2.00 2.09
6 -doz.—6	lbs.	2.50 2.60

The above parcel post rates apply within the 2nd zone (150 miles).



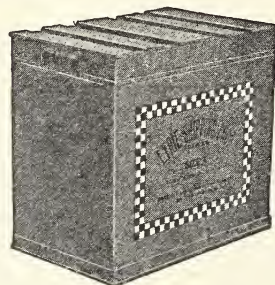
Humpty Dumpty Egg Carrier

One of handiest egg carriers on the market. Can be folded flat for shipment and is made of strong but light wooden slats fastened with strong steel wires.

Strong and durable. No tools to set them up. Can be used over and over. A fine egg carrier for either parcel post or express shipments.

Price 6 dozen size, 70c; by parcel post, 90c.

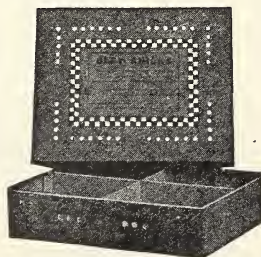
Price 12 dozen size, 90c; by parcel post, \$1.20.



Eyrie Shipping Coops

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

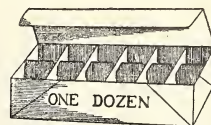
	Express	Parcel Post
No. B—3-bird size, each....	\$0.70	\$0.85
No. C—4-bird size, each....	.90	1.05
No. D—5-bird size, each....	1.00	1.20



Baby Chick Shipping Boxes

Made from corrugated paper with solid wood bottom and slatted wooden top. Strong, yet light in weight. For shipment it is folded flat, but can easily be set up and made ready for use.

25-chick size, each, 20c; parcel post, 35c.
50-chick size, each, 30c; parcel post, 45c.
100-chick size, each, 40c; parcel post, 55c.



Cardboard Egg Cartons

These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

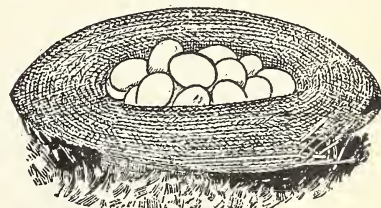
Doz., 20c; 100, \$1.50; 1,000, \$12.00; by parcel post, doz., 30c; 100, \$1.80.

Glass Cloth or Cel-O-Glass

Will take the place of hot bed sash, garage and barn windows and any purpose at a great saving, unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide.

Price per running yard, 40c; by parcel post, 60c.

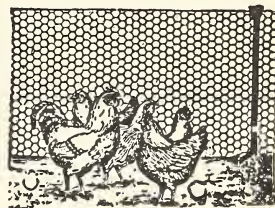
Prices on large quantities quoted on application.



Nest Eggs

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated, doz., 75c; parcel post, 90c.
Lime eggs, doz., 45c; parcel post, 55c.
Bisque eggs, doz., 60c; parcel post, 75c.
China eggs, doz., 40c; parcel post, 55c.



Poultry Netting

The best grades of No. 19 Galvanized Wire, priced per roll of 150 feet, all f. o. b. Memphis.

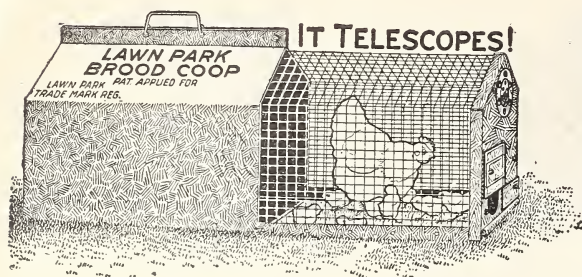
We do not break or cut rolls.

Per Roll

One inch mesh prices as follows:	
12 inches high.....	\$3.00
18 inches high.....	4.50
24 inches high.....	5.75

Two inch mesh prices as follows:	
24 inches high.....	\$2.50
30 inches high.....	3.00
36 inches high.....	3.50
48 inches high.....	4.40
60 inches high.....	5.50
72 inches high.....	6.75

R.-H. CO.'S BROOD COOPS, BABY CHICKS, ETC.

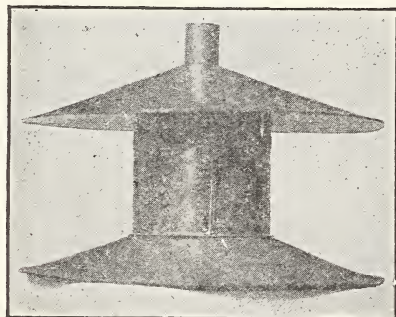


The Lawn Park Brood Coop

The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Allows sunshine, fresh air and change of grass. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$3.75, set up ready to use. Knocked down in lots of six, \$21.00. F. O. B. Memphis.

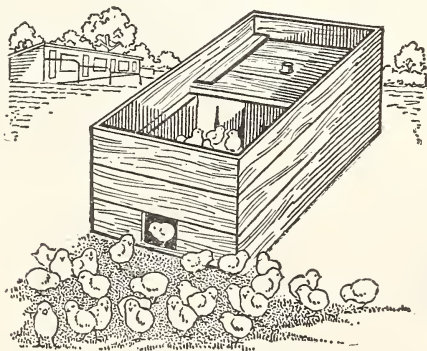
Putnam Brooder Heater

Capacity 40 to 50 Chicks



The Putnam Brooder Heater is so constructed that the heat is radiated from above onto the backs of chicks, giving the natural and soothing effect of the hen—without the lice.

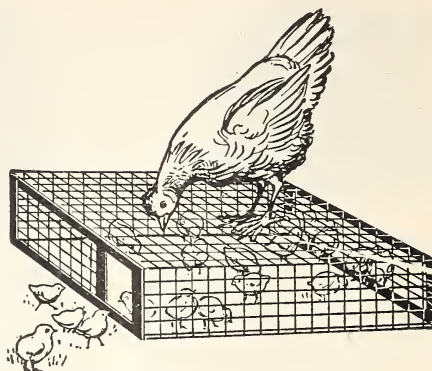
The Putnam Home Made Brooder can be operated anywhere—in a sunny room in a house, an open shed, or, if the roof be built on it, out of doors; can be carried anywhere by a half-grown boy.



A Simple Home Made Brooder with a Putnam Brooder Heater

The Putnam Home Made Brooder is not for sale. You must make it yourself. The Brooder-Heater only is sold. Every Brooder-Heater is accompanied by easily followed directions for building the Home Made Brooder.

Price Galvanized Putnam Brooder Heater \$4.75; parcel post paid
Price Aluminum Putnam Brooder Heater 6.25; parcel post paid
Separate wicks for Putnam Brooder Heater, each, 5c; 6 for 25c; parcel post paid.



Babie Chick Feeder

This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. Price, each, \$1.50; by express only.

The Little Putnam Stove

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove.



Directions furnished to all customers. Galvanized, price, \$2.50; by parcel post, \$2.75. Aluminum, price, \$3.50; by parcel post, \$3.75.

Wicks for Putnam Stove, each, 5c.

Baby Chicks by Parcel Post

We have made arrangements to supply our customers with a high grade of all breeds of Baby Chicks.



Delivered to your door by parcel post, with a guarantee of 98% live delivery. All claims for loss must be accompanied by signature of your postmaster.

Orders are filled in rotation. We will not keep you waiting any longer than possible; during the busy hatching season some one has got to wait, so if possible book your order in advance. Tell us what date you want your chicks and we will have them there on time.

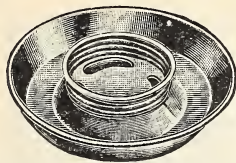
Prices cash in advance:

	25	50	100
White Leghorn Chicks.....	\$5.00	\$9.00	\$15.00
Brown Leghorn Chicks.....	5.00	9.00	15.00
Barred Plymouth Rocks.....	5.50	10.00	16.00
Rhode Island Red.....	5.50	10.00	16.00
White Wyandottes.....	6.00	10.50	18.00
Mottled Anconas.....	5.50	10.00	16.00
Mixed Light Breeds.....	4.00	8.00	13.00
Mixed Heavy Breeds.....	4.50	8.50	14.00

No less than 25 chicks sold or shipped.

Prices subject to advances by Hatcheries.

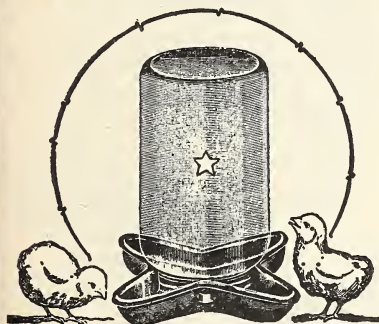
R.-H. Co.'s Baby Chick Drinking Fountains



Moe's Mason Jar Fountain

Moe's Round Mason Jar Fountains, made of heavy terne plate, a rust resisting metal, and the finest fountain of its kind on the market. No solder used in its construction.

Made in one size and fits any Mason jar in sizes 1 pint, 1 quart, and 2 quarts. (We do not furnish the glass jars.) Price, each, 15c; by parcel post, 20c.



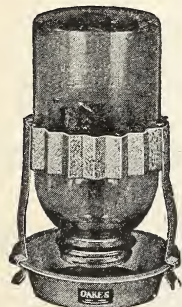
Star Chick Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. Price of holder without jar. No. 32, each 15c; 2, 25c. By parcel post, each, 20c; 2, 35c.



Sy-Fon Jar Fountain

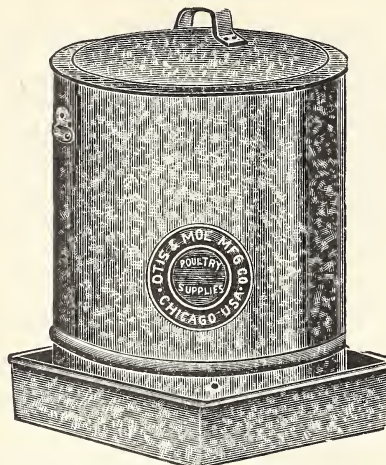
The only Syphon Fountain, fits any Mason jar, snaps on and off instantly; does away with the bothersome methods of screwing on jar, nothing to break or get out of order. Sanitary, safe, strong and simple. Made of Terne Plate Metal. Price, each, 10c; by parcel post, each, 15c.



Oakes New Buttermilk Feeder

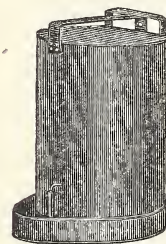
Aluminum pan; curled edge; uses either one-quart or half-gallon Mason jar. (We do not furnish jar.) State size desired. Contents can not splash out in up-ending feeder. Using buttermilk in any other material than aluminum or stone causes an acid to form and kills the chicks. No. C-70, each, 40c.

R.-H. Co.'s Poultry Fountains

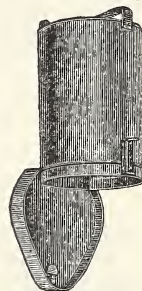


Moe's Top Fill Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill; easy to care for. Gal., \$1.75, by express; \$2.00, by parcel post, 2 gal., \$2.50, by express; \$2.80, by parcel post. 4 gal., \$3.00, by express; \$3.70, by parcel post.



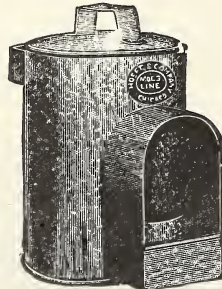
Showing Fountain Closed



Showing Drop Bottom, Advantage in Cleaning

Oakes Improved Drop Bottom Fountain

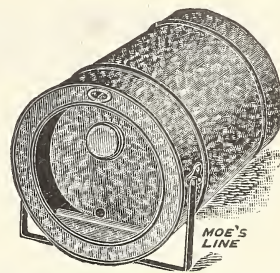
Easily cleaned. Convenient and well made. A new style fountain that will please. 1/2 gal. size, 90c; by parcel post, \$1.00; 1 gal size, \$1.25; parcel post, \$1.50; 2 gal. size, \$1.50; parcel post, \$1.90; 4 gal. size, \$2.25; parcel post, \$2.75.



Wall or Hub Fountains

Are made of the best galvanized iron and will last many years with the proper treatment. It can be hung on wall of a building or against an upright post or board at any height. A hood projects over the water trough and prevents the water from becoming soiled. 2 qt., 85c; by parcel post, 95c; 1 gal., \$1.10; by parcel post, \$1.30; 2 gal., \$1.35; by parcel post, \$1.60.

R.-H. Co.'s Poultry Fountains



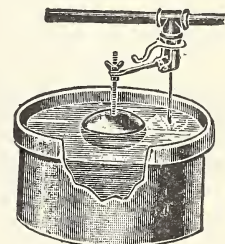
Moe's Insulated Double Wall Fountain

Made of best quality galvanized iron, with double walls packed with an efficient insulating material.

Keeps the water warm in winter, and cool in summer. Has a large filler opening so it can be easily cleaned inside, which is a very important feature, and one that is lacking in most insulated wall fountains.

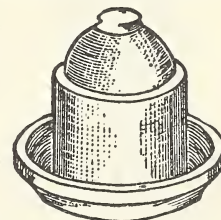
The wrought iron stand or rest is hinged, and acts as a handle to carry the fountain.

Plenty of fresh water at the right temperature, in zero or torrid weather will keep poultry healthy and increase the egg yield. Capacity, 3 gallons. Price, each, \$4.00 f. o. b. Memphis.



Moe's Automatic Poultry Drinking Fountain

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water without waste. The automatic valve and float is entirely of brass, nickel finish with nothing to rust or clog up. Price, complete with pan, \$1.25; by parcel post, \$1.40; without pan, 90c; parcel post, \$1.00.



Stoneware Jug Shaped Fountain

It is made in two parts, the saucer being separated from the upper portion, so it can be easily separated and thoroughly cleaned. Not mailable. 1 pt., 35c; 1 qt., 50c; 4 qt., \$1.00.



Coop Drinking Cup

Used for mating or exhibition coops. Each, 15c; 12, \$1.80; parcel post, each, 20c.

R.-H. CO.'S BABY CHICK HOPPERS



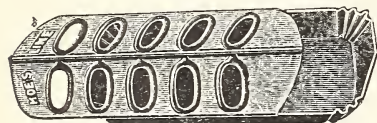
Moe's Double Feeding Chick Troughs

Has two sides, otherwise identical with the single trough.
No. 58—12 inches long; each, 40c; by parcel post, 55c.
No. 59—18 inches long; each, 55c; by parcel post, 70c.
No. 60—24 inches long; each, 70c; by parcel post, 90c.



Moe's Single Chick Feeding Troughs

Just the thing for feeding baby chicks; has sliding top, easily cleaned; no sharp edges to injure chicks.
No. 55—12 inches long; each, 30c; by parcel post, 45c.
No. 56—18 inches long; each, 40c; by parcel post, 55c.
No. 57—24 inches long; each, 50c; by parcel post, 70c.



Moe's Eclipse Feeding Trough

A new, popular priced feeding trough made of galvanized iron, for feeding baby chicks; stamped from one piece; no rivets or solder used. Sliding top makes them easy to clean. 10-inch, 25c; by parcel post, 40c; 20-inch, 40c; by parcel post, 55c.



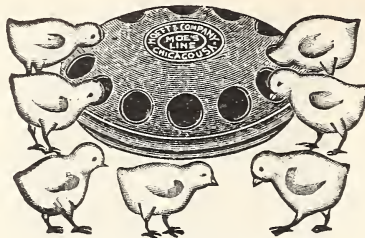
Moe's Magazine Chick Feeder and Waterer

A new round chick feeder with a magazine or container to hold a good quantity of feed. It can also be used as a drinking fountain, as the magazine is water and air tight.

No. 18—Moe's Magazine Chick Feeder, capacity 2 quarts; each, 60c; by parcel post, 80c.

Baby Chicks

Write us for prices on all breeds of Baby Chicks. State quantity, breed and when you want them.



Moe's Round Baby Chick Feeder

Moe's Round Baby Chick Feeder

The most convenient feeder on the market. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8 1/4 inches with 12 holes.

Price, No. 11—Galvanized, each 20c; parcel post, 30c.

Price, No. 11—Bright Tin, each 25c; parcel post, 35c.

Price, No. 12—Galvanized, each 30c; parcel post, 40c.

Price, No. 12—Bright Tin, each 40c; parcel post, 50c.



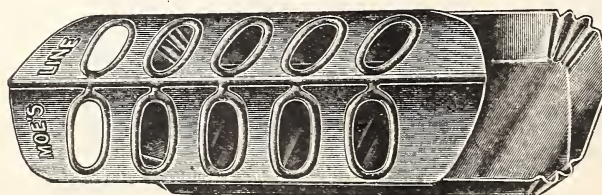
Oakes' Chick Feed Troughs

Made on a half circle so that every bit of feed can be easily eaten out of it. 10-inch trough, 30c; by parcel post, 45c. 20-inch trough, 45c; by parcel post, 60c.



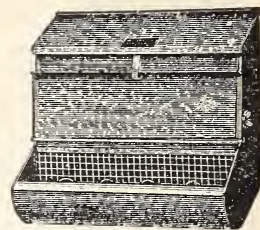
The Norwich Chick Feeder

Convex in shape; impossible for the chicks to waste or scatter feed and the center rod prevents the chicks from getting into the feed or to permit them to stand on it. Here is a device that any pollution or wasting is absolutely avoided; made with or without rain guard. The feeder with rain guard can be used outdoors to better advantage. Price, without rain top, 75c; by parcel post, 95c. With rain guard, \$1.00; by parcel post, \$1.25.



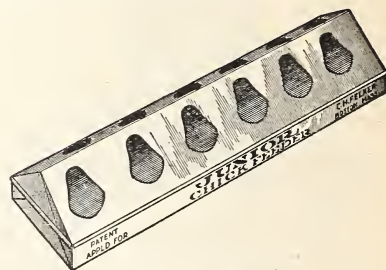
Moe's Aluminum Feeding Troughs

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds. 10-inch, each, 50c; by parcel post, 60c. 20-inch, each, 90c; by parcel post, \$1.05.



Oakes' Baby Chick Feed Hopper

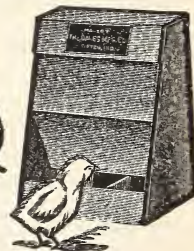
Designed especially for feeding mash to baby chicks. The hopper is 8 inches in height and about 2 1/4 inches wide. It is made with an adjustable swinging front that eliminates any possibility of clogging. Two sizes. 10-inch, each, \$1.20; by parcel post, \$1.40; 20-inch, each, \$1.50; by parcel post, \$1.80.



Junior Chick Feeder

Junior Chick Feeder

Accessible from both sides. Easily filled and cleaned. Price, 20-inch feeder, each, 50c; by parcel post, 65c.



Oakes' Chick Grit and Shell Boxes

Chicks should have grit, oyster shell and charcoal always before them, and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments.

Chick size, 85c; parcel post, \$1.00.



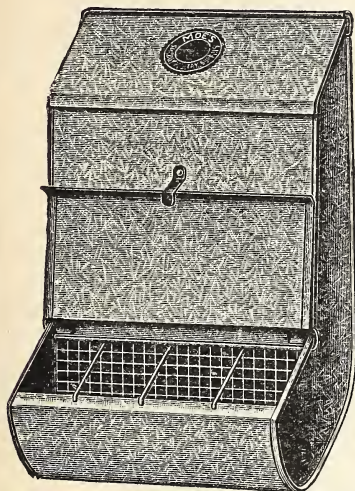
Stand for Moe's Round Chick Feeder. Two sizes, each, 10c; by parcel post, 15c.

Atsatt's Chick Feeder

The top removes easily for cleaning. Can be used for either wet or dry feed or for water. Size 10 in. long, 4 in. wide. Just the thing for your brooder. Price, 30c; by parcel post, 40c.

R.-H. Co.'s Poultry Hoppers

Moe's Never Clog Dry Mash Hopper



One of the best hoppers on the market. Does not clog, no matter how coarse the mash is. No. 35—10-qt. capacity, \$1.50; by parcel post, \$1.80. No. 36—14-qt. capacity, \$1.95; by parcel post, \$2.45. No. 13—22-qt. capacity, \$2.35; by parcel post, \$2.90. No. 37—32-qt. capacity, \$2.75; by express only.



The "Cymaco" Dry Mash Feeder

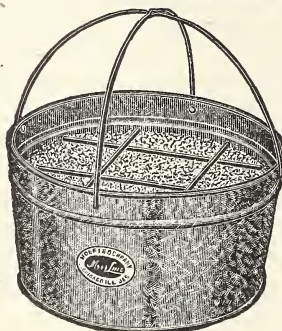
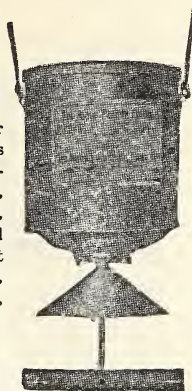
Made entirely of steel and very substantially built. Among its many advantages are the following special features: Its special construction gives it the advantage of extra large capacity, same being about one-half bushel. The "cymaco" has twice the feeding room afforded by the ordinary feeders, and thus accommodates twice as many fowls at one time. The feed troughs are shedded, making the "Cymaco" serviceable as an outdoor feeder. The "Cymaco" is also equipped with agitators operated automatically by the fowls feeding, which absolutely prevents clogging. Price: No. 12—Holds $\frac{1}{2}$ bushel, \$2.25; by parcel post within 2nd zone, \$2.70.

1-2-3 Shell Grit and Charcoal Feeder

A convenient size for a pen of fowls. It will serve one, two or three kinds of feed by using separator. Price, each \$1.00; by parcel post, \$1.25.

The Apaco Poultry Hopper

The Apaco Feeder will save work; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog. 8-qt. size only, \$1.25; by parcel post, \$1.50.



Moe's Round Mash Hopper

A good, economical Dry Mash Feeder, made of heavy galvanized iron with a capacity of 8 quarts.

Can be fastened with a cord or wire to the ceiling of the poultry house and thus hung up out of the litter at any height desired.

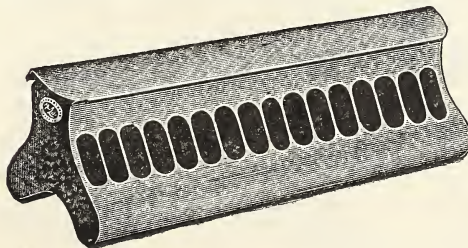
Has a rolled-in edge, and wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales also prevent the chickens from getting in the hopper. Price, each, 70c; by parcel post, 90c.

Flat or Open Feed Pan

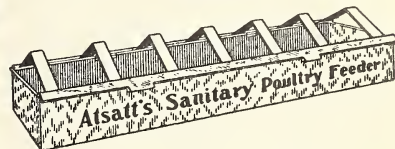
Size, $2\frac{3}{4}$ inches deep, 6 inches wide, 13 inches long. A flat pan made of heavy galvanized iron; excellent for an open drinking vessel. Price, 50c; by parcel post, 60c.

Felker's 1-2-3 Poultry Feeder

For dry mash, scraps, shells or grit. For more than one kind of feed use separator. Price, each, \$1.50; by parcel post, \$1.75.

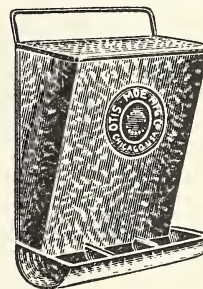


Atsatt Sanitary Poultry Feeder



Made with hinged guard to keep fowls from wasting the feed; can be used for mash or any dry grain feed. The pan is 18 inches long, 6 inches wide and 3 inches deep, and holds 4 quarts. Price, each, 75c; by parcel post, 90c.

Moe's Standard Grit and Shell Box



By the use of these self-feeding boxes practically every particle of grit and oyster shells will be properly used, preventing all waste.

No. 45—Two compartments, chick size, each, 40c; express, 50c; parcel post.

No. 9—Three compartments, hen size, each 85c, express; \$1.00, parcel post. No. 90—4 compartments, each, \$1.20; by parcel post, \$1.50.



Full-O-Pep Dry Mash Feeder

One of the best dry mash feeders on the market. No wasting whatever. The Full-O-Pep Dry Mash Feeder is made adjustable so that it can be used for baby chicks, growing chicks or hens. Price, \$1.25; by parcel post, \$1.40.

Moe's Pigeon Nests

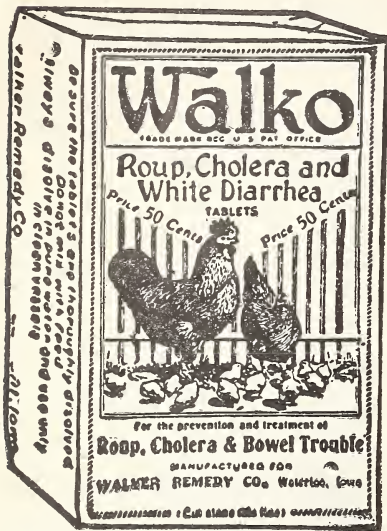
Durable and light; galvanized iron; also are best for sanitary purposes. Price, each, 20c; 6, \$1.00; by parcel post, 5c each, extra.

Moe's Feeder for Growing Stock

A wonderful feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. The birds cannot roost on the cover or sides so it is impossible to soil or foul the feed.

Has a sliding cover, easy to fill and clean, made of heavy galvanized iron. No. 140—10-qts., each, \$1.25; by parcel post \$1.60; No. 141—17 $\frac{1}{2}$ -qts., each, \$1.80; by parcel post, \$2.20.

R.-H. CO.'S POULTRY REMEDIES



Walko White Diarrhea, Roup and Cholera Tablets

Walko is a reliable germicide, intestinal antiseptic and general correctant. It is powerfully destructive to germ life, especially destructive to the White Diarrhea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic, giving increased strength and vitality and should be used in all drinking water from the time the chick is old enough to drink. Sold in 50c and \$1.00 size boxes; by parcel post, 60c and \$1.10.

Walko Egg Maker

Do you want to make more money on your poultry?

Do you want to keep your birds in the pink of condition, free from disease and working overtime on the egg basket?

Do you want fertile eggs—eggs that will produce strong healthy chicks?

Then try a package of Walko Egg Maker. Walko Egg Maker is a general poultry tonic, egg increaser and fertilizer. Does not overstimulate the organs but by its general tonic effect it keeps your birds in the pink of condition, which assures their greatest capacity both for egg production and fertility. Packages, 50c or \$1.00; by parcel post, 70c or \$1.25.

Smok 'Em

SMOK 'EM ROUP REMEDY—Cures them over night. Small can, \$1.00; by parcel post, \$1.15; large can, \$1.50; by parcel post, \$1.70.

GIANT SMOK 'EM LOUSE KILLER—Kills lice and mites while the chickens are on the roost. Large cans, \$1.50; by parcel post, \$1.70.

DOUBLE HEALTH AND EGG PRODUCER—A sure health builder; guaranteed to make the poultry produce more eggs. Small box, 60c; by parcel post, 75c; large box, \$1.00; by parcel post, \$1.20.



ZENOLEUM—A scientifically compounded preparation. The various kinds are used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and the house. Zenoleum Dip and Disinfectant, 8-oz. can, 35c; 1-qt. can, 75c; 2-qt. can, \$1.25; 1-gal. can, \$2.00; 5-gal. can, \$8.00. All prices on Zenoleum are f. o. b. Memphis. We cannot mail Zenoleum.

Barnes' Worm Emulsion



Barnes' Worm Emulsion establishes a healthy condition in the bird, and causes this theft of nourishment to be returned to its proper channels for distribution; for when the bird becomes healthy, the juices will digest and assimilate these meaty worms.

The worms exhaust the digestive fluids. Our Emulsion assists nature to restore them, and this simple and sensible process will result in health, vigor and fine fettle in the bird.

For many years the question of the presence of worms in the intestinal tract of the chickens was a debatable subject, but that matter has now been settled beyond a doubt.

Worms are more frequently present in the intestines of chickens than many would believe. This is particularly true in the case of young chickens.

This will allay the irritated condition of the intestinal tract, kill the worms, increase the digestive fluids, which will as readily seize upon and devour the worms as they will other meaty substance. So, instead of attempting to expel the worms, we put them back into the anatomy of the chick. In this we have gained two-fold, as we have not only prevented a fatal termination, but have made use of this enemy to the betterment of the bird.

Young chicks that have this EMULSION in their drinking water constantly show a remarkable growth and fine form. This is shown in the plump, heavy bodies of young cockerels that are so treated; so its use on broilers shows a fine return as an investment.

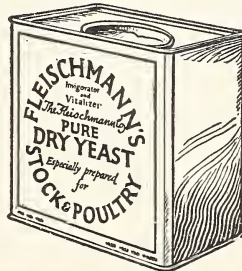
Worm Emulsion can not poison humans, poultry or lower animals in any dosage. Its function always is to Build Vitality—never to tear down.

PREPARING BARNES' WORM EMULSION IN WATER

The dosage is based on the weight of the bird, there need be no change in the parts used. To 1 quart of water, add 1 teaspoonful; to 1 gallon of water, add 1 ounce; to 5 gallons of water, add 1 teacupful; to larger quantities in same ratio.

PRICES OF BARNES' WORM EMULSION

16 oz., 60c; by parcel post, 75c; 1 qt., \$1.00; by parcel post, \$1.20; 1 gal., \$3.00; 5 gal., \$12.50.



Fleischmann's Pure Dry Yeast

Especially prepared for Poultry.

In chicks the yeast-fed birds were easily distinguishable from the non-yeast lot and as might be expected were more vigorous from the very start as was manifested in the way they hatched (eggs from yeast-fed hens) and their vitality and strength to withstand the cold; as the yeast-fed lot preferred to be out of doors while the others were hovered around the stove. There also was no indication of diarrhea or dysentery noticeable in yeast lot, indicating greater disease-resisting powers.

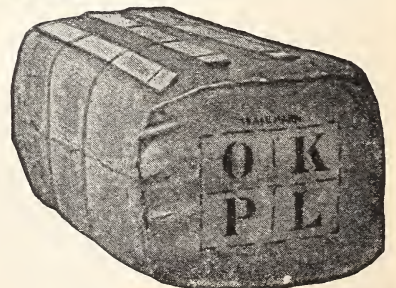
In the process of standing or working the yeast plant multiplies very rapidly and simultaneously predigests and changes the nutrients of the grain into a more assimilable form for the chick—liberating its entire food value. Like a spark to an explosion—the yeast plant is a liberator of food energy. One teaspoonful is required for 50 chicks.

Free booklet and full directions sent on request. Price, 1 lb. can, \$1.00; by parcel post, \$1.10; 2½ lb., can, \$2.00; by parcel post, \$2.15.



CARBOLA

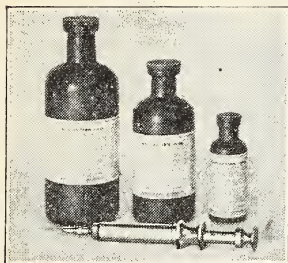
The disinfectant that paints. Carbola is infinitely superior to lime, which loses what slight disinfection qualities it ever had by slacking when exposed to the air. It may be used on either stone, brick, wood, metal or cement. Can be applied with either sprayer or brush. By express, 5 lbs., 75c; by parcel post, 95c; 10 lb., pkg., \$1.25; by parcel post, within second zone, \$1.40; 50 lb. sack, \$5.00; by express only.



O. K. Poultry Litter

A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Will last for several months in your brooder or poultry house. Price, 10 lbs., \$1.00; by parcel post within 2nd zone, \$1.30. Per bale of about 140 lbs., \$4.75, f. o. b. Memphis.

R.-H. CO.'S POULTRY SUPPLIES AND REMEDIES



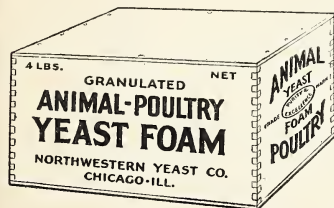
Avian Bacterin

Protect your flock against roup, colds, sorehead, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian mixed bacterin.

This wonderful preparation is administered by means of a hypodermic syringe. Ask for circulars on Avian Bacterin. Complete directions with every package. Price, 60-dose bottle, \$2.00; 250-dose, \$5.00. Syringe and needle, \$1.50; parcel post paid.

Galli Cura

Prevents the development of white diarrhoea and will also cure them; give Galli Cura to your baby chicks, also should be used on the older birds; once or twice a week will keep them in best condition. Price, 2 sizes, 50c and \$1.00 boxes; by parcel post, 60c and \$1.10.



Animal Poultry Yeast Foam

Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast. Yeast fed chicks two months old are as large as other three months old. Worth its weight in gold as it makes bigger hatches and bigger chicks. All wise poultry men use Animal Poultry Yeast Foam. Ask for circulars. Price, per box, \$1.00; by parcel post (within 2nd zone), \$1.15.

Bee Brand Insect Powder



Absolutely the most effective and satisfactory insect powder on the market; also good against fleas, lice and the pesky fly. Small can, 25c; medium can, 50c; large can, \$1.00; by parcel post, small can, 30c; medium can, 60c; large can, \$1.10.

Revenge Lice Powder

An oily Lice Powder that sticks well to the feathers and will kill all body lice on poultry. Per box, 25c, 50c and 85c; by parcel post, 30c, 60c and \$1.00.



Germo Cholérine

A scientific compound for curing cholera, roup and other poultry ailments; they take their own medicine, as the preparation is used in drinking water. 6 oz. bottle, 35c; 16 oz. bottle, 65c; quart bottle, \$1.00; gallon bottle, \$2.50; not available.

Germo Cholérine Tablets, 50 tablet size, 65c; by parcel post, 75c; 100 tablet size, \$1.00; by parcel post, \$1.10.

Germo Carboline Disinfectant

Highly concentrated, absolutely one of the finest and strongest disinfectants on the market. Germo Disinfectant, gal., \$1.50. Germo Standard Animal Dip, quart, 50c; 1/2 gal., \$1.00; gal., \$1.50. All above f. o. b. Memphis. We cannot mail.



\$1,000.00 Guaranteed Roach, Ant, Flea and Bed Bug Killer

Absolutely guaranteed to destroy these pests. \$1,000.00 Guaranteed Roach Killer, 35c, 65c and \$1.20 boxes; by parcel post, 40c, 70c and \$1.25. \$1,000.00 Guaranteed Ant Bane, 35c and 65c; by parcel post, 5c extra. \$1,000.00 Guaranteed Flea Killer, 35c and 65c; by parcel post, 40c and 70c. \$1,000.00 Guaranteed Bed Bug Killer, it sure gets them, 35c and 65c; by parcel post, 50c and 80c.

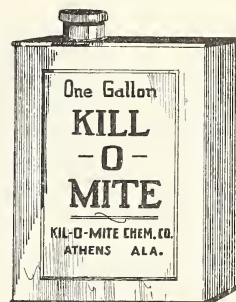
Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Where the house cannot be conveniently closed mix the whole bottle of Licecil with half gallon of kerosene and spray this mixture at intervals of three days. Full directions and circulars sent with all orders. Prices, 1 bottle, 60c; 3 bottles, \$1.50; sent by express only.



Water Glass

For preserving eggs. Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months with Rutland's water glass. One pint is sufficient for 6 dozen eggs. 1-pint size, 25c; 1-gal. size, \$1.25. Not available.



Kil-O-Mite Keeps Mites Out of Poultry Houses

GUARANTEE—We guarantee that one application of KIL-O-MITE either by brush or with a sprayer, to the interior walls, dropping boards and roosts, of such buildings which have been thoroughly cleaned, will exterminate mites and keep building free from Vermin for ONE YEAR, OR MONEY REFUNDED.

15 to 50 per cent effective on Lice without treatment of every individual bird.

Your flock will be 100 per cent healthy throughout the entire year.

Kil-O-Mite eliminates disinfecting every month for one year.

Kil-O-Mite will make money for you this summer by lowering the cost of labor and increasing the summer egg production.

Price per gallon \$1.50; 5 gallons, \$7.00, f. o. b. Memphis.

Sulphur Fumigating Candles

A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous acid gas, which is essential to thorough fumigation. Easily lighted and a sure burner. Each, 10c; by parcel post, 15c.



Licene

Licene will destroy every louse and "nit" on your chickens, usually keeping them free from lice for six months. Per tube, 60c; parcel post, 70c.

Pipene

One application cures the worst case of Roup. Pipene is injected in the nostrils from inside the mouth and one treatment effects a sure cure. Price 60c; parcel post, 75c.

Diarrhene

Prevents and cures White Diarrhea in baby chicks; is absolutely a sure and safe remedy. Price, 60c; parcel post, 70c.

Coldene

For colds in chickens; put up in tablet form. Price, 60c a box. Parcel post, 70c.

Reumatene

For rheumatism in chickens caused by exposure to draughts, cold or wet houses. Price, 60c a box; parcel post, 70c.

Liverené

For inflammation of the liver; will absolutely cure this common trouble in poultry. Price, 60c a box; parcel post, 70c.

Poxene

For the chickenpox; absolutely guaranteed. Price, 60c; parcel post, 70c.

Tonene

A tonic for chickens, especially good for moulting. Price, 60c a box; parcel post, 70c.

R.-H. CO.'S POULTRY REMEDIES, ETC.



CONKEY'S REMEDIES

We recommend Conkey's because we know Conkey's is absolutely dependable. Conkey's must satisfy you or we'll refund your money quick.

Conkey's Y-O Yeast With Cod Liver Oil



Make hens lay more and larger eggs.
Stimulates growth of pullets and cause them to lay earlier.

Increase fertility of eggs.

Improve health and stamina.

Conkey's Y-O comes in the form of a rich chocolate-brown powder and it is fed loose, mixed in small quantities with the mash.

Conkey's Y-O is easy to feed and there is no waste—no liquids—no paste and no fermenting of large quantities of wet mash with all the difficulties which this entails.

Prices: 1-lb. pkg., \$1.00; 2-lb. pkg., \$1.75; or mailed postpaid for \$1.10, \$1.85.

	By Parcel Post	
Conkey's Blackhead Remedy	\$0.50	\$0.60
Conkey's Canker Special .....	.50	.60
Conkey's Cholera Remedy, small.....	.25	.30
Conkey's Cholera Remedy, large.....	.50	.60
Conkey's Gape Remedy, small.....	.25	.30
Conkey's Gape Remedy, large.....	.50	.60
Conkey's Headlice Ointment, small.....	.10	.15
Conkey's Headlice Ointment, large.....	.25	.30
Conkey's Limberneck Remedy .....	.50	.60
Conkey's Lice Fix, small box.....	.25	.30
Conkey's Lice Fix, large box.....	.50	.55
Conkey's Sodium F. Lice Powder, lb. box.....	.35	.45
Conkey's Sodium F. Lice Powder, 3 lb. box.....	.75	.90
Conkey's Lice Powder, 15 oz. box.....	.25	.35
Conkey's Lice Powder, 48 oz.....	.50	.65
Conkey's Poultry Worm Powder, small.....	.25	.35
Conkey's Poultry Worm Powder, large.....	.50	.60
Conkey's Poultry Laxative, small.....	.25	.35
Conkey's Poultry Laxative, large.....	.50	.60
Conkey's Poultry Condition, small.....	.25	.35
Conkey's Poultry Condition, large.....	.50	.60
Conkey's Poultry Tonic, 1½ lb. pkg.....	.25	.35
Conkey's Poultry Tonic, 3 lb. pkg.....	.50	.60
Conkey's Poultry Tonic, 7 lb. pkg.....	1.00	1.20
Conkey's Roup Remedy, small.....	.30	.35
Conkey's Roup Remedy, medium.....	.60	.65
Conkey's Roup Remedy, large.....	1.20	1.30
Conkey's Roup Pills, small.....	.30	.35
Conkey's Roup Pills, medium.....	.60	1.30
Conkey's Roup Pills, large.....	1.20	1.30
Conkey's Scaley Leg Remedy.....	.25	.30
Conkey's Sorehead Remedy, small.....	.25	.35
Conkey's Sorehead Remedy, large.....	.50	.60
Conkey's White Diarrhea, small.....	.30	.35
Conkey's White Diarrhea, medium.....	.60	.70
Conkey's White Diarrhea, large.....	1.20	1.30
Conkey's White Diarrhea, 1200 tablets.....	4.00	4.10
Conkey's Cow Special, 1½ lb.....	.50	.60
Conkey's Cow Special, 2½ lb.....	1.00	1.10
Conkey's Bag Ointment .....	.25	.30
Conkey's Gall Salve .....	.25	.30
Conkey's Nox, 6 cubes .....	.25	.30
Conkey's Nox, 15 cubes .....	.60	.65
Conkey's Nox, 30 cubes.....	1.00	1.10
Conkey's Nox, 75 cubes.....	1.75	1.85
Conkey's Lice Liquid, qt.....	.60	(not mailable)
Conkey's Lice Liquid, 2 qt.....	.90	(not mailable)
Conkey's Lice Liquid, gal.....	1.50	(not mailable)
Conkey's Noxicide, pt.....	.50	(not mailable)
Conkey's Noxicide, qt.....	.80	(not mailable)
Conkey's Noxicide, 2 qts.....	1.30	(not mailable)
Conkey's Noxicide, gal.....	2.00	(not mailable)

Pratts

Pratt's Poultry and Stock Remedies

	By Parcel Post	
Pratt's Condition Tablets, small.....	\$0.25	\$0.30
Pratt's Special Comp. Cholera Remedy.....	.25	.30
Pratt's Chicken Pox Remedy, small.....	.35	.40
Pratt's Chicken Pox Remedy, large.....	.70	.80
Pratt's Gape Remedy, small.....	.30	.40
Pratt's Lice Powder, medium.....	.30	.40
Pratt's Lice Ointment .....	.35	.40
Pratt's Poultry Reg., small pkg.....	.25	.35
Pratt's Poultry Reg., medium pkg.....	.50	.60
Pratt's Poultry Reg., large pkg.....	1.40	1.65
Pratt's Poultry Reg., 12 lb. pail.....	1.65	2.00
Pratt's Poultry Reg., 25 lb. pail.....	3.00	
Pratt's Roup Powder, small.....	.25	.30
Pratt's Roup Tablets, small.....	.25	.30
Pratt's White Diarrhea Cure, small.....	.25	.30
Pratt's White Diarrhea Cure, large.....	.50	.60
Pratt's Horse Worm Remedy.....	.50	.60
Pratt's Heave Horse Remedy.....	.50	.60
Pratt's Distemper, Horse Remedy.....	.50	.60
Pratt's Animal Reg., small.....	.25	.35
Pratt's Animal Reg., medium.....	.50	.65

Dr. Hess Poultry and Stock Food

	By Parcel Post	
Dr. Hess Poultry Panacea, 1½ lb. pkg.....	\$0.25	\$0.35
Dr. Hess Poultry Panacea, 5 lb. pkg.....	.75	.85
Dr. Hess Poultry Panacea, 12 lb. pkg.....	1.50	1.75
Dr. Hess Roup Remedy, 4 oz. pkg.....	.25	.30
Dr. Hess Roup Tablets, box.....	.50	.60
Dr. Hess Stock Tonic, 2 lb. pkg.....	.25	.35
Dr. Hess Stock Tonic, 4½ lb. pkg.....	.50	.60
Dr. Hess Stock Tonic, 25 lb. pail.....	2.25	2.65
Dr. Hess Instant Lice Powder, 1 lb. box.....	.25	.30
Dr. Hess Instant Lice Powder, 2½ lb. box.....	.50	.60
Dr. Hess Healing Powder .....	.25	.30

Lee's Poultry Supplies

These products are manufactured by George H. Lee, the author of the Lee books, for use in his own poultry work. They are the oldest and most popular line on the market.

	Parcel Post Paid	
Lee's Egg-O-Hatch, jar	\$0.50	\$0.60
Lee's Eggolatum, jar .....	.50	.60
Lee's Eggolatum, large jar.....	1.00	1.15
Lee's Germozone Tablets .....	.25	.30
Lee's Germozone Tablets, large box.....	.75	.80
Lee's Lice Powder, small box.....	.25	.35
Lee's Lice Powder, large box.....	.50	.65
Lee's Liquid Lice Killer, qt.....	.60	(not mailable)
Lee's Liquid Lice Killer, 2 qts.....	.90	(not mailable)
Lee's Liquid Lice Killer, gallon.....	1.50	(not mailable)
Lee's Germozone, Liquid, 4 oz.....	.40	(not mailable)
Lee's Germozone, Liquid, 12 oz.....	.75	(not mailable)
Lee's Germozone, Liquid, 32 oz.....	1.50	(not mailable)

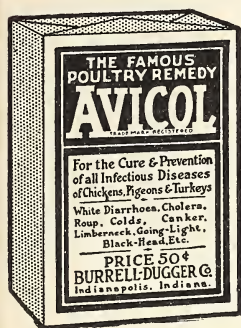
Oculum for Poultry

Prevents and cures white diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases; also a splendid egg producer. Circulars upon application. Per bottle, 50c; large size, \$1.00. Not mailable.



Lee's Germozone

R.-H. CO.'S POULTRY REMEDIES, ETC.



Avicol

For White Diarrhoea or Cholera in Chickens and Black-head in Turkeys—we recommend Avicol for prevention and treatment.

Every year over half the chicks hatched die from chick cholera, diarrhoea, and other bowel diseases. This has been shown by U. S. Government reports.

Thousands of poultry owners will tell you that since they started keeping Avicol in the drinking water, they now raise successfully nearly every chick in every hatch. In fact, after once using Avicol, you would no more think of raising baby chicks without it than you would think of denying them food.

Avicol should be in the very first water the little chicks drink. And it will pay you to keep it in the drinking water all the time, for all the flock, old and young.

It is no trouble to give—the chicks get the treatment as they drink their water. And the cost is so trifling that you can use it regularly without feeling the expense.

Our strong guaranty protects you. Money cheerfully refunded without question or quibble if Avicol doesn't satisfy you perfectly. 32 tablet size, 50¢; by parcel post, 60¢; 80 tablet size, \$1.00; by parcel post, \$1.10.



Star Parasite Remover

Gets the Parasites

Star Parasite Remover given to fowls in their drinking water thoroughly rids them of lice, mites and all blood sucking parasites. The effect on the chicken's blood by drinking the tonic keeps the chicken's body free of vermin, at the same time it will keep the chickens healthy and saves the life of the young chicks.

Star Parasite Remover is not an experiment, more than 200,000 users, a three-ounce bottle will keep 100 fowls free of all parasites more than 100 days. Price, 3-oz. bottle, \$1.00; by parcel post, \$1.10.

K. O. M. Poultry Worm Cure

Worms in poultry cause great financial loss. With K. O. M. Worm Cure you are able to combat this new trouble in both small and large chickens. Hens won't lay if troubled with worms. Get busy and use K. O. M. Worm Cure. Price, bottle enough to treat 1200 hens, \$1.00 f. o. b. Memphis.

Trakol for Gapes in Chicks

Gapes are caused by a little worm (Syngamus Trachealis) lodging in the windpipe of a chick. This usually occurs in Spring. Symptoms are gaping, sneezing and coughing. Death follows quickly. The easy and simple way to avoid it is to put Trakol in the drinking water occasionally. Price, 25¢; by parcel post, 30¢.

Pulverized Sheep Manure

A single bag equivalent to whole wagon load of stable manure. Easy to handle, clean, every weed seed killed. Absolutely the best fertilizer for flowers, vegetables, fruits, shrubs, grass and field crops. Far superior to chemical stimulant because it is a natural fertilizer supplying BOTH plant food and humus. See Green Sheet Special Price List.

DON SUNG

Chinese for Egg-Laying

Make More Profit from Your Flock

How to get more eggs—how to raise bigger, healthier chicks—how to make your poultry pay you bigger profits—"It's the chickens that are healthy that make their owners wealthy," is becoming more and more established as the big fundamental truth in profitable poultry raising. Use the remedies set out in these pages, and you should have a good healthy paying flock the year 'round.

Makes Hens Lay!

Works wonders in any flock



Get DON SUNG (Chinese Egg Laying Tablets) at Our Store

DON SUNG gets the eggs in any weather. It acts directly on the egg-laying organs and is beneficial in every way. Keeps the flock healthy and happy. They lay regularly. It's easily given, inexpensive and guaranteed to do the work—or your money will be promptly refunded. We have DON SUNG in stock and can recommend it to all poultry raisers. Price 50¢ (Large size, \$1, holds 3 times as much)

Skaloint

In a Handy Collapsible Tube

Scaly-Leg is a contagious disease affecting the legs of most fowls. In appearance it is exactly as the name implies. It is caused by tiny mites digging under the skin where they live and breed. If allowed to go untreated, the affected bird becomes lame and eventually joints or even whole toes may drop off. Skaloint is of positive proven value in treating Scaly-Leg. Easily applied. Guaranteed. Price, 25¢; by parcel post, 30¢.

Roup-Over

The Over-Night Roup Remedy

This famous remedy is positively guaranteed to give complete, prompt and positive results, or your money will be refunded in full. There is nothing on the market like Roup-Over for Roup, Colds and Canker. Don't risk a substitute. Price 50¢; \$1.00 size (three times as much); by parcel post, 60¢; and \$1.10.

TALCIMIZED SODIUM FLUORIDE

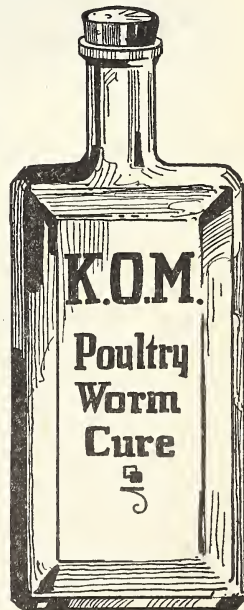
Call it T. S. F.

KILLS POULTRY LICE

Lice have probably cost the poultryman more money than any other poultry ailment. Wherever present, their effect is seen in stunting the growth, injuring the health, and reducing the egg production of the whole flock.

After years of study and numerous tests, the U. S. Dept. of Agriculture has recommended Sodium Fluoride as the most effective, positive way of getting rid of poultry lice.

Talcimized Sodium Fluoride (Call it T. S. F.) has been specially prepared for poultry use. It comes in a convenient, shaker-top package, bearing the U. S. Government's instructions for use. One small package will treat about 40 chickens. ½ lb. box, 35¢; by parcel post, 45¢; 1 lb. box, 60¢; by parcel post, 70¢.





COMPARE—Formerly 100 lbs. of Salvvet cost \$6.75 and in most cases the dealer added 2 cents for freight making it \$8.75 for our 100 lbs. of Salvvet. **NOW**—You buy 15 lbs. of Salvvet Medication for \$3.60. You add 85 lbs. of salt at 1 cent per pound, making a total of \$4.45. You save half of the former price.

SALVET has always been and always will be the greatest worm destroyer and livestock conditioner on the market and with the reduced prices, you cannot afford to take chances with other unknown remedies.

Price 3 lb. package \$1.00—by parcel post \$1.20—7½ lb. package \$2.00, by parcel post \$2.30. 15 lb. package \$3.60—by parcel post \$4.00—40 lb. package \$6.30, F.O.B. Memphis.



Semi-Solid Buttermilk

Put up in paste form; when diluted makes a perfect buttermilk for feeding poultry and hogs. One pound of semi-solid buttermilk will make one gallon of the liquid. Price: By express, 8-lb. can, \$1.10; 50-lb. can, \$4.00; ½ bbl., about 260 lbs., \$15.60. By parcel post, 8-lb. can, \$1.35.

Bee Dee Stock and Poultry Powders

A poultry and stock medicine, formerly called Black Draught. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25c and 50c a can; by parcel post, 32c and 60c.

Red Star Disinfectant

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain the most delicate article and is fully guaranteed in every way. Price: 1 qt. can, 75c; ½ gal. can, \$1.25; 1 gal. can, \$2.00. By express only.

Rid Your Fields of Useless Trees That Shade Growing Crops



Medicated Salt Brick

Brick shape, made of purest salt and medicine necessary for treatment of diseases for which it is intended. Per brick, 25c; 6 bricks, \$1.25. By parcel post, per brick, \$1.00; 45c; Plain stock salt, 50-lb. bricks, 60c, F. O. B. Memphis.

Figaro Liquid Smoke

By applying two coats of Figaro Liquid Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked. 20 ounce bottle, \$1.00; 40 ounce bottle, \$1.50. By express only.

Champion Tree Killer

kills all kinds of trees regardless of size. The limbs, trunk and roots all die. The leaves fall in 3 to 10 days. Put up in 1, 2, 3, 5 and 10 gallon cans at \$1.25 per gallon; 30 and 50 gallon steel drums at \$1.15.

Ask for booklet describing many uses.

Salvet Medication

This is different from the Salvvet formerly sent out. Buy your salt at home, save freight, save money, by using Salvvet Medication, a highly concentrated hog and stock medicine that needs mixing only with salt.



Salvet Hog Oil

A medicated oil for using in any make of hog oiler. This is much superior to any black oil; lasts longer and does the work more thoroughly. 5-gal. can, \$6.00; by express only.



Kow-Kare

Watch every cow and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-KARE. Carefully follow the directions as given on the box, and that cow will get well.

KOW-KARE is in powder form, to be given in regu- lar feed. It cures abortion, barrenness and scours, caked udder, removes retained after- birth, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only. Price: Small size, 65c; by parcel post, 75c large size, \$1.25; by parcel post, \$1.35.



Bag Balm

A soothing ointment. Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Prevents soreness, makes the cow an easy milker. Price: Per box, 60c; by parcel post, 65c.

Red Cross Rat and Mouse Embalmer



A sure rat and mouse destroyer that does the work thoroughly without any odor. It is absolutely the best preparation of its kind.

Price: 50c, \$1.00 and \$3.00 per can; by ex- press only. Cannot be mailed.

\$1,000.00 Guaranteed Rat and Mice Killer

A certain death to rats and mice; its guaranteed or your money back without question.

25c and 50c boxes, by express only—not mailable.

Conkey's Fly Knocker

No other Fly Spray can equal Conkey's; it always gives satisfaction, or your money back.

Qt. 60c; ½ Gal., 90c; Gal., \$1.50. Not mailable.

RUSSELL-HECKLE'S BIRD CAGES AND SUPPLIES

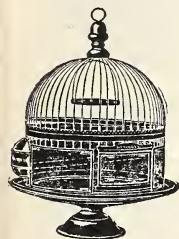
Imported Canary Birds



Our birds are the genuine Hartz Mountain strain. Each one is thoroughly tested before shipping to be sure it is a No. 1 guaranteed singer. Price: \$6.00 to \$7.00 each. St. Andreasburg Rollers, highly trained. Price \$7.50 to \$10.00 each. Female canaries for breeding, \$2.00 to \$2.50 each, f. o. b. Memphis. All birds shipped at owner's risk.

Canary Bird Cages

Round Enamel Cages



No. 6—Round Enamel Cage

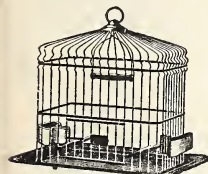
No. 6—Round, 10 in. diameter, $16\frac{1}{2}$ in. high, each, \$3.25.

No. 6½—Round, 11 in. diameter, $17\frac{1}{2}$ in. high, each, \$4.00.

No. 7—Round, 12 in. diameter, 18 in. high, each, \$4.50.

By parcel post, add 40c each extra for postage.

Oblong Enamel Cages

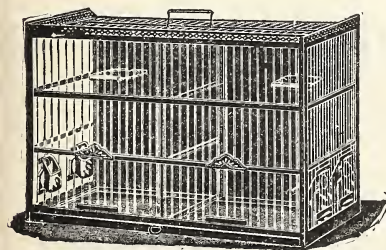


No. 165—Oblong

Enamel Cage, no guard, $10\frac{1}{2}$ x 7 x 16 inches, each, \$2.50.

No. 167—Oblong Enamel Cage, no guard, $11\frac{1}{2}$ x 7 x 16 inches, each, \$3.25.

By parcel post, add 35c each extra.



No. 86—Metal Breeding Cage

Metal Breeding Cages

Absolutely vermin proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

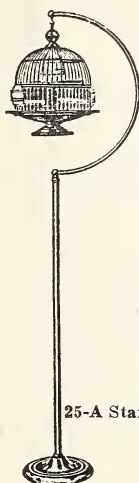
No. 86S— $17\frac{1}{4}$ x $8\frac{1}{4}$ x $13\frac{1}{4}$, each, \$4.50
By parcel post, 4.85

No. 86— 20 x 10 x 14 , each, 5.50
By parcel post, 5.95

No. 87— 22 x 11 x $15\frac{3}{4}$, each, 6.50
By parcel post, 7.00

No. 88— 24 x 12 x 16 , each, 7.50
By parcel post, 8.05

No. 25A—Brass Bird Cage Stand. A very handsome ornament and so easily moved about. Height about $5\frac{1}{2}$ feet, made of polished brass; each, \$6.50, f. o. b. Memphis.



25-A Stand



Oblong Brass Cages

All supplied with draw bottom for cleaning, and also have brass guard to prevent birds from throwing seed on the floor of room. A handsome, durable cage.

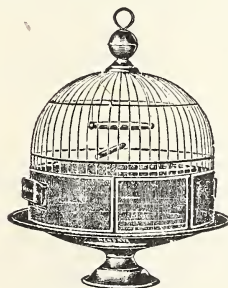
No. 5004DB—Oblong Brass Cage, with seed guard, $9\frac{3}{4}$ x $6\frac{1}{2}$ inches, each \$4.00; by parcel post, \$4.35.

No. 5006DB—Oblong Brass Cage with seed guard, $10\frac{3}{8}$ x $7\frac{1}{4}$ inches, each \$4.50; by parcel post, \$4.85.

No. 5008DB—Oblong Brass Cage, with seed guard, $10\frac{3}{4}$ x $7\frac{1}{4}$ inches, each \$5.25; by parcel post, \$5.65.

No. 5010DB—Oblong Brass Cage, with seed guard, 13 x $8\frac{1}{2}$ inches, each, \$6.50; by parcel post, \$6.90.

Round Brass Cages

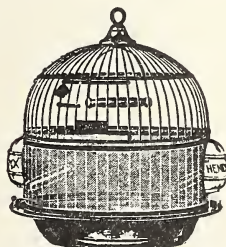


No. 274—Round Brass Cage with Brass Seed Guard

No. 274—Round Brass, $10\frac{1}{2}$ x 16, with Brass Seed Guard, \$3.25; by parcel post, \$3.60.

No. 275—Round Brass, $11\frac{1}{2}$ x $16\frac{1}{2}$, with Brass Seed Guard, \$4.00; by parcel post, \$4.45.

No. 276—Round Brass, with Brass Seed Guard, $11\frac{3}{4}$ x 18, each \$4.50; by parcel post, \$4.90.



No. 1274—Round Brass with Brass Seed Guard

No. 1274—Round Brass Cage, $13\frac{3}{8}$ inches high, with Brass Seed Guard, each, \$2.75; by parcel post, \$3.15.

No. 1275—Round Brass Cage, $13\frac{3}{4}$ inches high, each, \$3.50; by parcel post, \$3.85.

No. 1276—Round Brass Cage, $15\frac{1}{4}$ inches high, each, \$4.00; by parcel post, \$4.40.

Bird Supplies



French's Mixed Birdseed. 10 oz. carton, 15c; post paid, 25c.

French's Bird Gravel, pint, 15c; post paid, 30c.



	Parcel Post
Phil. Mixed Bird Seed, 1 pt.	\$0.20
Phil. Bird Gravel, pt.	.25
Phil. Bird Bitters, bottle	.25
Phil. Bird Mite Powder, box	.25
Phil. Bird Moulting Pepper, box	.25
Phil. Bird Nestling Food, box	.25
Phil. Drahotas Song Restorer	.25
Phil. Bird Manna, each	.15
Phil. Cattle Bone on Holders, each	.10
Phil. Orange Color Food, box	.25
Gunning's Bird Tonic, bottle	.50
French's Bird Tonic	.25
Fogg's Bird Tonic	.35
Spratt's Bird Tonic	.25
Haller's Bird Tonic	.25
Haller's Bird Pie	.15
Haller's Dutch Song Restorer	.15
H&H Medicated Bird Seed	.15
Spratt's Canary Mixture	.20
Spratt's Cod Liver Oil and Egg Food	.20
R-H Mixed Bird Seed, 1 lb.	.15
R-H Plain Canary, 1 lb.	.15
R-H Bird Hemp, 1 lb.	.15
R-H Bird Rape, 1 lb.	.15
Russian Sunflower Seed, 1 lb.	.15



Covered Cage Cup



Open Cage Cup

Bird Cage Accessories

	Parcel Post
Bird Cage Cups, glass, each	\$0.15
Bird Cage Cup, opal, each	.15
Bird Cage Baths, each	.20
Bird Cage Brackets, 12 in. long, each	.25
Bird Cage Brass Springs, each	.20
Bird Cage Wire Nests, each	.10
Bird Cage Nesting Hair, pkg.	.10
Bird Cage Brass Chains, 1 ft., each	.15
Bird Cage Brass Chains, 2 ft., each	.25
Bird Cage Cattle Bone Holders, each	.10

Gold Fish Food

Wafer Fish Food, box, \$0.15

FUL-O-PEP

POULTRY FEED



All the Ful-O-Pep Mashs (Chick Starter, Growing Mash and Egg Mash) now contain the vital element. Cod Liver Meal, which has much the same effect on poultry as spring sunshine—results in stronger, healthier, more profitable flocks.

Ful-O-Pep Chick Starter

To raise all your chicks feed Ful-O-Pep Chick Starter the first six weeks. This remarkable feed contains both Cod Liver Oil and Cod Liver Meal in addition to oatmeal, ground puffed wheat, bone meal and fish meal.

It develops strong, vigorous chicks, practically free from leg weakness and other chick troubles.

Ful-O-Pep Starter is mild, soft, easily assimilated; just the feed to carry on and strengthen nature's process. 8½-lb. package, 55c; by parcel post within 2nd zone, 75c.

Ful-O-Pep Fine Chick Feed

Is made from the best quality of milling grains carefully cracked to just the right size for baby chicks. Feed it according to directions with Ful-O-Pep Chick Starter. 8½-lb. package, 40c; by parcel post, within 2nd zone, 60c.

Ful-O-Pep Coarse Chick Feed

A mixture of carefully selected grains, a trifle larger than Fine Chick Grains to be fed to chicks after eight weeks old. It is made like all the balance of the Ful-O-Pep Feeds from the very best quality of grains cracked to the proper size. By freight: 8½ lbs., 40c; by parcel post, within 2nd zone, 60c.

Ful-O-Pep Growing Mash

This mash, containing Cod Liver Meal is without doubt, the finest growing mash ever placed at the disposal of the poultryman. Feed it from the sixth week until the fifth month. It is in part, oatmeal ground fine and nicely balanced with other bone and muscle forming ingredients, conducive to the making of rapid growth. 8½ lbs., 45c; by parcel post, within 2nd zone, 65c.

Ful-O-Pep Egg Mash

Adding the sunlight element Cod Liver Meal to this famous egg-producing feed, has simply made the best mash still better—resulting in much steadier egg production all year round, better eggs and stronger shells. Eggs from hens fed on Ful-O-Pep Egg Mash also give much better hatching results and the chicks are stronger. 8½ lbs., 40c; by parcel post, within 2nd zone, 60c.

Feed it dry from a good hopper.

Ful-O-Pep Scratch Grain

Contains a large assortment of small and cracked grain, giving properly balanced ration to keep hens in condition. It should be fed with Ful-O-Pep Egg Mash. 8½ lbs., 35c; by parcel post, within 2nd zone, 55c.

For price on 25-lb., 50-lb., and 100-lb. bags see Green Ink Price List, which we enclose.



Conkey's Buttermilk Starting Feed

Conkey's, the Original Buttermilk Starting Feed, Raises Husky Chicks

This superior chick mash was the first commercial poultry feed containing buttermilk—that is why it is called the only ORIGINAL buttermilk starting feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, white diarrhoea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly churned product.

Don't be influenced by "cheaper" imitations labeled "buttermilk"—that word may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, poisonous weed seeds, musty screenings, worthless by-products, or other poor material having little or no nutritive value.

Price: 2½-lb. pkg., 25c; 5-lb., 40c; 10-lb., 70c. By parcel post within second zone, 2½-lb., 38c; 5-lb., 55c; 10-lb., 90c.

Conkey's Buttermilk Growing Mash

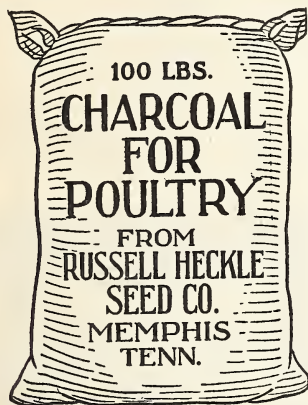
Ingredients—Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal.

This mash is fed after the chicks are eight weeks old. It is balanced for rapid and even development of muscles, bones, vital organs and feathers. Like all Conkey mashes it is low in fibre, clean and always uniform. 10 lbs., 60c; by parcel post within second zone, 80c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mashs.



R.-H. Co.'s Grit, Bone Meal, Oyster Shell, Etc., for Poultry

As the market prices change often on grain and other Poultry foods we cannot make definite prices on large quantities. See Green Ink Price Sheet enclosed for special quotations.



R.-H. Co.'s Charcoal

Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. Three sizes—Fine, for chicks; Medium, for half-grown fowls and pigeons; Coarse, for full-grown fowls. When ordering state size wanted. 2 lbs., 15c; 4 lbs., 25c. By parcel post; 2 lbs., 25c; 4 lbs., 40c.

Digester-Tankage or Meat Meal

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs., 25c; by parcel post, 40c.

Beef or Meat Scraps

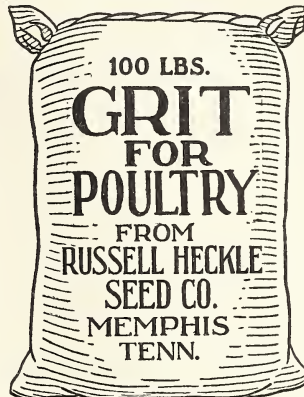
A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer months. By freight, 4 lbs., 25c; by parcel post, 40c.

Globe Breeding Pigeon Food

A mixture of various grains, cracked and whole, peas and seeds, all clean, well matured, without any corn or grit. By freight, 3 lbs., 25c; by parcel post, 40c.

Red Cross Health Grit for Pigeons and Chicks

A tonic and grit combined for pigeons and chicks; one of the best preparations on the market. By freight, 5 lbs., 25c; by parcel post within second zone, 40c.



R.-H. Co.'s Grit for Poultry

A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. We can supply all kinds of grit.

For large chickens.

For growing birds.

For baby chicks.

Be sure to state size wanted when ordering.

Price: 10 lbs., 25c. By parcel post within 2nd zone, 45c.

Pin Head Oatmeal

Full-O-Pep Oatmeal is a specially prepared oatmeal for chicks. It makes muscle, bone, promotes rapid growth and early maturity. Price: 3 lbs., 25c; by parcel post, 3 lbs., 40c.

Buckeye Rolled Oats

A valuable food for both baby and growing chicks. By freight: 3 lbs., 25c; parcel post, 40c.



Chamberlain's Perfect Chick Food

Contains meat, bone, charcoal, grit, oatmeal, etc. Does not contain CORN, and avoids bowel trouble, and other diseases caused by improper food. 4 lbs., 25c; by parcel post, 4 lbs., 40c. For bulk prices see Green Ink Price List Sheet enclosed.

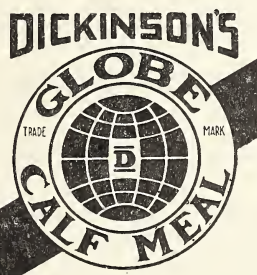
Globe Calf Meal

Globe Calf Meal is a carefully compounded mixture of choicest ingredients best suited to the manufacture of a substitute for whole milk that will give results closely approximating, if not fully equaling nature's unexcelled food for young and growing calves. Globe Calf Meal is held in highest esteem because of the results it has given through many years. Feed it to your calves either as a substitute for or a supplement to milk.

Globe Calf Meal takes the place of milk with calves from the time they are a month old. The ingredients of Globe Calf Meal have been chosen to supply the same proteins, minerals, fats and carbohydrates that are supplied in milk, and when fed according to directions to supply them in the right quantities for the best development of the calf.

Globe Calf Meal is being used with gratifying results in every section of the country where dairymen are striving to make the most from their cows.

Plan to raise your calves with Globe Calf Meal. Plain directions come with every order. Price: 25 lb. bag, \$1.50; by parcel post in 2nd zone, \$1.95.



Miscellaneous Poultry Feed

Blood Meal, 3-lb.	30c; parcel post.	45c
Buckwheat, 4-lb.	25c; parcel post.	45c
Canadian Peas, 3-lb.	30c; parcel post.	45c
Flint Corn, 3-lb.	25c; parcel post.	40c
Kafir Corn, 5-lb.	25c; parcel post.	45c
Linseed Meal, 4-lb.	30c; parcel post.	45c
Sunflower seed, 2-lb.	25c; parcel post.	35c
Wheat Bran, 5-lb.	25c; parcel post.	45c
Wheat Feeding, 5-lb.	25c; parcel post.	45c

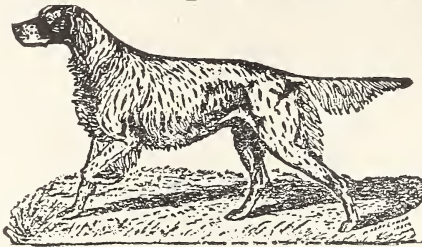
For prices on larger quantities see Green Ink Price Sheet enclosed.

Russell-Heckle's Dog Feeds and Remedies

KENNEL OWNERS: We are prepared to supply you at manufacturers' prices, as we are carlot buyers.

This Department is complete — our line of Dog Remedies, Medicines, and Dog Food is the best; they are "tried and true all the way through."

In Dog Foods we handle only those foods which are manufactured on a scientific, balanced-ration basis, where continued re-



search work is maintained and feeding tests are continuous, and

carefully checked. You can depend on our feeds, yet prices are no higher than dog feeds of poor quality.

To our Old Customers: we thank you for your business; it has contributed largely to our success, and we appreciate it.

To those reading this first time: we invite you to give us a trial order; you will be pleased, and soon will be one of our satisfied regular customers.

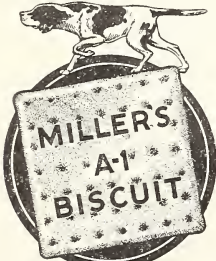


Miller's A-1 Ration

BATTLE CREEK HEALTH FOOD FOR DOGS

Miller's A-1 Ration is a granular food made from cooked cereals, meat, bone and blood meal, ready to use and can be fed to dogs of all ages and breeds.

5 lb. cartons, 60c; 12½-lb., \$1.00; 25-lb. sack, \$2.00; 50 lbs., \$3.75; 100-lb. sack, \$7.00; 500 lbs., \$32.50. F. O. B. Memphis, Tenn. By parcel post, 5 lb. cartons, 75c; by parcel post, 12½-lb. sack, within 2nd zone, \$1.30; by parcel post, 25-lb. sack, within 2nd zone, \$2.45.



"Battle Creek Health Food for Dogs"

Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits are made of clean wholesome Beef, Flour, Oatmeal, Cornmeal and Bone and they contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. 2-lb. carton, 35c; by parcel post, 45c; 50-lb. bag, \$4.50; F. O. B. Memphis; 100-lb. bag, \$8.50; F. O. B., Memphis.

Kennel Food Supply Co. Dog Foods

The food will tell, this is strictly a high grade Dog Biscuit at a reasonable price.

KFS CO'S Cero Meato Dog Biscuits, 25 lbs., \$2.75; 100 lbs., \$8.50.

KFS CO'S Working Dog Biscuit, 25 lbs., \$3.00; 100 lbs., \$9.00.

Miller's A-1 Kibbled Dog Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. 50-lb. bag, \$4.75; 100-lb. bag, \$9.00; F. O. B. Memphis.

Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies as soon as they are old enough to eat solids. 2-lb. carton, 35c; by parcel post, 45c; 50-lb. sack, \$4.75; 100-lb. sack, \$9.00, F. O. B., Memphis.



Good News for Good Dogs

The Champion Animal Food Company of Minneapolis, nationally known manufacturers of foods for dogs, puppies and foxes, have appointed us distributors for the complete line of their products in Memphis and surrounding territory. You can buy Champion from us just as cheaply as from the factory at Minneapolis. Your order will be filled promptly, carefully and correctly.

Try Champion! Place a trial order with us, and convince yourself of its superiority.



Champion Dog Biscuit

2½-lb. cartons, 40c; by parcel post, 50c; 5¾-lb. cartons, 75c; by parcel post, 95c; 25-lb. cartons, \$2.25; by parcel post within 2nd zone, \$2.70; 50-lb. cartons, \$4.50, 100 lbs., \$8.50, F. O. B. Memphis.

Champion Kibbled or Broken Dog Biscuits

5-lb. bags, 75c; by parcel post, 90c; 25 lbs., \$2.50; by parcel post within 2nd zone, \$2.95; 50 lbs., \$4.75; 100 lbs., \$9.00, F. O. B., Memphis.

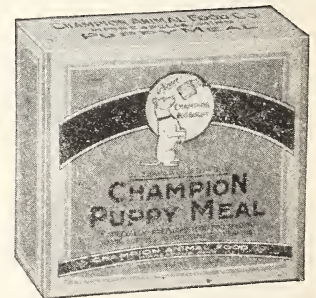
Champion Puppy Biscuit

1½-lb. cartons, 30c; by parcel post, 40c; 25 lbs., \$2.50; by parcel post within 2nd zone, \$2.95; 50 lbs., \$4.75; 100 lbs., \$9.00, F. O. B., Memphis.



Perfection Dog Food

Perfection Dog Food contains cooked cereals, meat and bone in correct proportions. A chemical analysis shows it to contain the necessary amount of protein, fats and carbohydrates. Contains a well-balanced ration and is readily digested by any dog. 12½ lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$7.00. By parcel post, within second zone, 12½ lbs., \$1.20.



Champion Puppy Meal

1½ lb. carton, 30c; by parcel post, 40c; 25 lbs., \$2.50 by parcel post within 2nd zone, \$2.95; 50 lbs., \$4.75; 100 lbs., \$9.00.

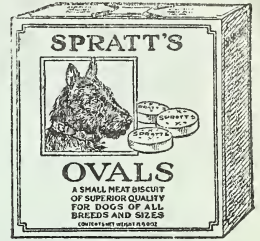
KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs; it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Price: Qt. can, 40c; 12 cans, \$4.20; by parcel post, qt. can, 55c.

Spratt's Bone Meal for Puppies

The strong frame builder, specially prepared to supply the constituents needed to assist in building up a strong frame, preventing rickets, large joints, etc. Price: 1 lb., 15c; 10 lbs., \$1.00; by parcel post, 1 lb., 25c; 10 lbs. within 2nd zone, \$1.25.

RUSSELL-HECKLE'S DOG AND PUPPY FOODS



SPRATT'S PATENT DOG AND PUPPY CAKES

These are always dependable and have been used by dog fanciers for over 36 years

Spratt's Dog Cakes, 2 lb. cartons, 40c; parcel post, 50c
 4 3/4 lb. carton, 75c; parcel post, 90c.
 Spratt's Dog Cakes, 25 lb., \$3.50.
 Spratt's Oval Dog Cakes, carton, 40c; parcel post, 50c.
 Spratt's Oval Dog Cakes, 25 lbs., \$3.75
 Spratt's Puppy Cakes, 2 lb. cartons, 40c; par. post, 50c
 Spratt's Puppy Cakes, 25 lbs., \$3.75
 Spratt's Plain Puppy Meal, 2 lb. cartons, 40c; parcel post, 50c.

Spratt's Fibo Puppy Cakes, carton, 40c; parcel post, 50c.
 Spratt's Cod Liver Oil Cakes, carton, 40c; parcel post, 50c.
 Spratt's Terrier Cakes. Specially prepared for terriers and other active dogs. Easily digested; make bone and muscle. Carton, 40c; parcel post, 50c. Bulk, 25 lbs., \$3.75.



Bennett's Milk Bone Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.

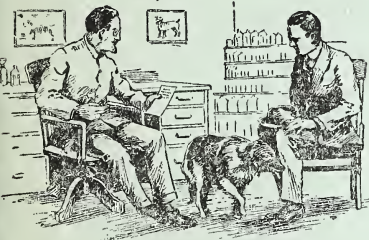


Bennett's Milk Bone Dog Biscuit

A superior preparation. Keeps dogs in good condition. Ask for circulars. Per box, 40c; by parcel post, 50c.



RUSSELL-HECKLE'S DOG REMEDIES



Glover's

Supreme Dog Remedies

Used and endorsed by all prominent dog owners and kennel clubs.

	Parcel	Post
Glover's Blood Purifier.....	\$.65	\$.75
Glover's Black Tongue Remedy.....	.65	.75
Glover's Condition Pills.....	.65	.75
Glover's Canker Wash.....	.65	.75
Glover's Comp. Sulphur Tablets.....	.65	.75
Glover's Cough Mixture.....	.65	.75
Glover's Digestive Pills.....	.65	.75
Glover's Distemper Cure.....	1.20	1.35
Glover's Diarrhoea Remedy.....	.65	.75
Glover's Dog Liniment.....	.65	.75
Glover's Dog Tonic.....	.65	.75
Glover's Eye Lotion.....	.65	.75
Glover's Mange Medicine.....	.65	.75
Glover's Liver Pills.....	.65	.75
Glover's Kennel Dog Soap.....	.30	.35
Glover's Fit Medicine.....	.65	.75
Glover's Sorefoot Remedy.....	.65	.75
Glover's Tape Worm Remedy.....	.65	.75
Glover's Vermifuge.....	.65	.75
Glover's Worm Capsules.....	.65	.75

Write for H. Clay Glover's book on Dog Diseases.

BRADLEY'S

SUBMARINE WORM EXPELLER

Gets the last worms. There can be no failure if directions are followed. It takes only a few hours to do the work. Price, \$1.00 box; by parcel post \$1.10.



REG. U. S. PAT. OFF

Carbon Tetrachloride C. P.

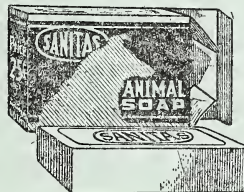
Will absolutely cure and remove all kinds of worms in dogs and pups. Running and barking fits, or fright disease is caused by the toxins from hook worms. Carbon Tetrachloride with Viamin Tonic is absolutely guaranteed to cure running barking fits. Price, correct dose sealed in elastic capsules of assorted sizes, or all large capsules, \$1.00 parcel post paid.

VIAMIN TONIC

Contains Vitamins and minerals essential to normal growth and is also a laxative, especially valuable for bitches in whelp and following the removal of hook worm in running barking fits. Price: \$1.00 a bottle, parcel post paid.

ARECO

Guaranteed to remove tape worms, including the heads, where they are known to be present. Simple and easy to administer. Price, 75c parcel post paid.



SANITAS ANIMAL SOAP—Veterinarians say there is none better; it is truly a wonderful soap that will do your dog good. Price: 25c per cake; by parcel post, 35c.



Sanitas Dog Remedies

These splendid remedies are sold under a positive guarantee of satisfaction or money back. There are no ifs or buts in their guarantee. You are the sole judge. We have sold them two seasons and don't recall a dissatisfied customer. These products will help your dog. Ask for complete circulars about Sanitas.

SANITAS MANGE TREATMENT—A new

kind that seldom fails, unlike other preparations it leaves no unpleasant odor and does not make the hair greasy. It is also wonderful for treating cuts and wounds. Price: regular size 50c; by parcel post, 60c. Kennel size, \$2.00; by parcel post, \$2.15.

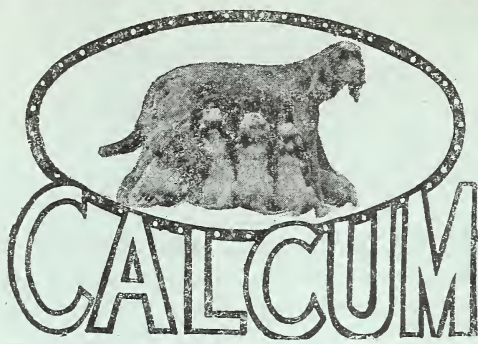
SANITAS PYN AIR DISINFECTANT—Powerful yet fragrant and non-poisonous, will not burn or sting, yet it is one of the most powerful and effective disinfectants known. Price: regular size, 50c; by parcel post, 75c. Quarts, \$2.00; by parcel post, \$2.25.

RUSSELL-HECKLE'S DOG REMEDIES

CALCUM

Makes Puppies Grow Strong and Healthy

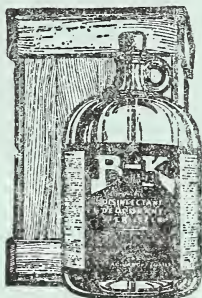
A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.



THE SOVREM BLACK TONGUE REMEDY

The Principle of Treatment upon which the Sovrem Remedies for Distemper and Sore Mouth, or Black-Tongue are based, is that of effecting the destruction of the Micro-Organisms, or Germs, that cause these diseases, and at the same time stimulating the latent natural resources of the animal attacked to their highest degree of protective energy. Ask for circulars. Sovrem Black Tongue Remedy, box \$2.00. Parcel post paid.

"B-K"—BACILI-KIL



B-K is a clear, colorless, non-poisonous germ killer used in dilution with water. Ten times as powerful germ killer as undiluted carbolic acid. B-K is absolutely harmless when used around poultry.

B-K is invaluable around kennels, dairies, pigeon lofts, rabbit hutches or wherever a strong, safe, powerful disinfectant should be used.

B-K is effective against mange and other skin diseases in dogs.

B-K does not overpower a bad odor by leaving a worse odor, but actually kills the bad odor, leaving a clean, sweet smell.

Every household should keep a bottle of B-K handy.

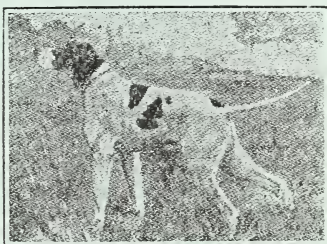
Full directions in every package.

B-K cannot be mailed.

Quart, \$1.25; gallon, \$3.00.

VITATONE

For dogs, cats and other animals. Controls the tape worm as well as other worms in dogs and puppies. Although not a cure for distemper in animals, it will help them resist the disease if exposed to it. Vitatone is a safe, dependable worm getter. Price, 50c; by parcel post, 60c.



MY STYLISH SPEEDY

A sire, used at the Woodall Kennels, who enjoys and is a booster of the perfect food, "Perfection."

CALCUM

Calcum takes the place of green-bone food and prevents acid milk and rickets or softening of the bones.

Calcum is not a complete food in itself, but a small amount being used in conjunction with the regular food. Price: 1 lb., 75c; 5 lbs., \$3.00. by parcel post, 85c and \$3.20.

McROBERTS VERMIFUGE

Especially prepared for use on young puppies and small dogs. It positively will not disarrange the stomach. Keep puppies free from worms with McRoberts Vermifuge. Price: 2 oz. bottle 50c; by parcel post, 60c.



Price following Clayton's preparations uniform, per box or bottle, each 50c; parcel post, 60c.

Blood Purifying Pills	Chorea
Cough Remedy	Condition Pills
Distemperine Tablets	Digestive Tablets
Distemperine Liquid	Fit Remedy
Diarrhoea Tablets	Hair Tonic
Diarrhoea Liquid	Laxative
Mange Cure	Skin Lotion
Rheumatic Tablets	Tape Worm Expeller
Vermifuge Tablets	Sulphur Tablets
Vermifuge Liquid	Shampoo Liquid
	Worm Capsules

The following are sold at 35c each; by parcel post, 40c.

Creoline Soap Kilflea Soap
Kilflea Powder

Dr. Clayton's Dog Book mailed on application.

INTERNO MANGE REMEDY

Interno is an internal remedy, both for Sarcopic and Sollicular mange and other skin diseases. If your dog has not responded to other mange remedies, he needs Interno. Fully guaranteed; it is sold on a money back transaction if it does not cure. Ask for circulars on Interno. Price, \$2.00 a box; parcel post paid.

FREE DOG BOOK!

Polk Miller's famous Dog Book on Diseases of Dogs also care, feeding and breeding with Symptom Chart and Senator Vest's celebrated "Tribute to a Dog." Come in and get a FREE copy. We have a full line of celebrated Sergeant's Dog Medicines—an effective remedy for every dog ailment.



DELCREO DOG REMEDIES



The Delcreo Dog Remedies are in accordance with the latest and most successful developments of medical progress. No effort has been spared to make these remedies the best treatments for various diseases for which

they are intended. They are accepted and endorsed by the leaders of the kennel world, which is sufficient evidence of their worth.

Ask for Delcreo Kennel Manual.

Delcroe—For Distemper and Black Tongue. 4 oz. bottle, \$1.50; by parcel post, \$1.60. 16 oz. bottle, \$5.00; by parcel post, \$5.25.

Delcreo Tonic—A Conditioner. 2 oz. bottle, 75c; by parcel post, 80c.

Delcreo Sulphur Compound—A Blood Purifier. 4 oz. bottle, \$1.00; by parcel post, \$1.10.

Delcreo Sulphur Bath—Cures Mange and all skin diseases. 4 oz. bottle, \$1.00; by parcel post, \$1.10.

Delcreo Sulphur Ointment—Heals cuts, wounds and all skin affections. 1 oz. jar, 50c; by parcel post, 55c.

Delcreo Sulfinol—A mineral oil for general and chronic constipation. 4 oz. bottle 50c; by parcel post, 60c.

Delcreo Dog Soap—Kills fleas and prevents skin diseases. 4 oz. cake 25c; by parcel post, 35c.

Delcreo Laxative—Prepared especially by the very best formula. Price 50c; by parcel post, 60c.

Delcreo Worm Capsules—A safe and effective destroyer of worms. Prepared for puppies, small dogs and large dogs. State which you want. Price, either size: box 50c; by parcel post, 60c.

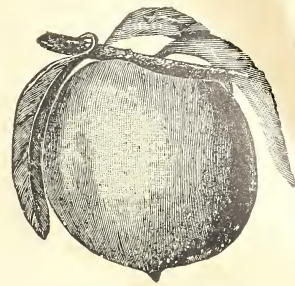


EARLY HARVEST APPLE

COLLECTION OF FRUIT TREES AND SEEDS

These are special offers of surplus stocks, some genuine bargains. Just order one or more collections as named and they will be sent to you promptly. No changes will be allowed in these assortments nor in quantities of a variety.

The fruit trees in these collections are all first grades, true to name, of the same high quality as stocks sold at regular prices. If you are planning to set out a small orchard here is your opportunity to get trees at exceedingly low prices.



MAYFLOWER PEACH

Top Notch Apple Tree Collection—

Thirty Trees For Only \$7.50

Properly labelled, true to name. All first class, 2-year trees, 4-5 feet high.

- | | |
|-----------------------|----------------------------|
| 5 Delicious Apple | 5 Early Harvest Apple |
| 5 Grimes Golden Apple | 5 Winter Banana Apples |
| 5 Wine Sap Apple | 5 Yellow Transparent Apple |

30 trees in all—only \$7.50 shipped by express

Bonanza Fruit Tree Collection—

40 Fine Trees, as follows, for only \$10.00

Properly labelled, true to name. All first size, two year stock.

- | | |
|-----------------------|--------------------|
| 5 Delicious Apple | 5 Elberta Peach |
| 5 Grimes Golden Apple | 5 Carman Peach |
| 5 Burbank Plum | 5 J. H. Hale Peach |
| 5 Keiffer Pear | 5 Wonderful Peach |

Shipped by Express.

Home Fruit Tree Collection—

30 assorted Trees as mentioned for only \$8.50

All first-grade, 2-yr. stock, properly labelled

- | | |
|-----------------------|----------------------------|
| 5 Elberta Peach | 5 Carmen Peach |
| 5 Delicious Apple | 5 Yellow Transparent Apple |
| 5 Golden Russett Pear | 5 Red June Plum |

You will be delighted with this assortment

Top Notch Peach Tree Collection—

Thirty Trees For Only \$7.50

Properly labelled, true to name. All first-class, 2-year peach, 4-5 ft. trees.

- | | | |
|----------------|--------------|---------------|
| 5 Mayflower | 5 J. H. Hale | 5 Elberta |
| 5 Belle of Ga. | 5 Champion | 5 Lemon Cling |
- 30 fine peach trees, \$7.50 shipped by express

Bargain Peach Tree Collection—

50 1-year Peach Trees, 3-4 ft., for only \$8.00

Properly labelled, true to name.

- | | |
|--------------------------|----------------------------|
| 5 Arp Beauty Peach | 5 Elberta Peach |
| 5 Belle of Georgia Peach | 5 Early Elberta Peach |
| 5 Carman Peach | 5 Krummell's October Peach |
| 5 Wonderful Peach | 5 Mayflower Peach |
| 5 Health Cling Peach | 5 J. H. Hale Peach |

THIS IS A BARGAIN—50 fine 1-yr. Peach Trees for only \$8.00 shipped by express

Top Notch Grape Vine Collection—

A total of 30 vines. All No. 1 grade, 2-yr. old

30 Vines for only \$4.50

- | | |
|-----------------|------------|
| 5 Delaware | 5 Brighton |
| 5 Moore's Early | 5 Lutie |
| 5 Concord | 5 Worden |

Properly labelled, true to name. 30 Grape Vines—\$4.50. Shipped by Express



RUSSELL-HECKLE'S BIG DOLLAR COLLECTION OF GARDEN AND FLOWER SEEDS



24 Pkgs. Garden Seeds
6 Pkgs. Flower Seeds

Only \$1.00

Parcel Post
Paid

Regular
Value \$1.85

GARDEN SEED

ONE PACKET EACH OF

Beans, Bush, Red Valentine
Beans, Pole, Kentucky Wonder
Beans, Carolina, Pole Butter
Corn, R-H Co's Early Surprise
Peas, Early Alaska
Peas, Telephone
Beet, Crosby's Egyptian
Cabbage, Chas. Large Wakefield
Cabbage, Collard Georgia White
Carrot, Half Long Danvers
Cucumber, Imp Long Green

GARDEN SEED

Cantaloupe, Rocky Ford
Lettuce, New York Wonderful
Mustard, Southern Giant Curled
Okra, White Velvet
Pepper, Chinese Giant
Parsley, Double Curled
Radish, Ea Scar Tur White Tip
Spinach, Blooms Curl Savoy
Squash, Early White Bush
Swiss Chard, Silver Beet
Tomato, Early Detroit
Turnip, Mam Purple Top Globe
Watermelon, Tom Watson

FLOWER SEEDS

Larkspur, tall mixed
Petunia, fine single mixed
Phlox, Drummondii, mixed
Nasturtium, Dwarf mixed
Sweet Peas, Spencer mixed
Zinnia, R-H Co., Giant Flow mixed

FALL BULBS

Best selection of all varieties
READY IN SEPTEMBER

SEND YOUR ORDER TODAY!

Have the seeds ready for early planting. Look at this complete assortment. Fills every need in a good home garden

RUSSELL-HECKLE SEED CO.

SALES OFFICE 26 SO. FRONT STREET

Wholesale Warehouse and Elevator

589 So. Front St.

Memphis, Tenn.



TOP NOTCH SEEDS

RUSSELL-HECKLE SEED CO.

MEMPHIS - TENN.

SALES STORE AND OFFICE 26 SO. FRONT ST. WHOLESALE WAREHOUSE 589-591 SO. FRONT ST.